THE CHEMIST AND DRUGGIST

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[Charged as two words only.]
Established in
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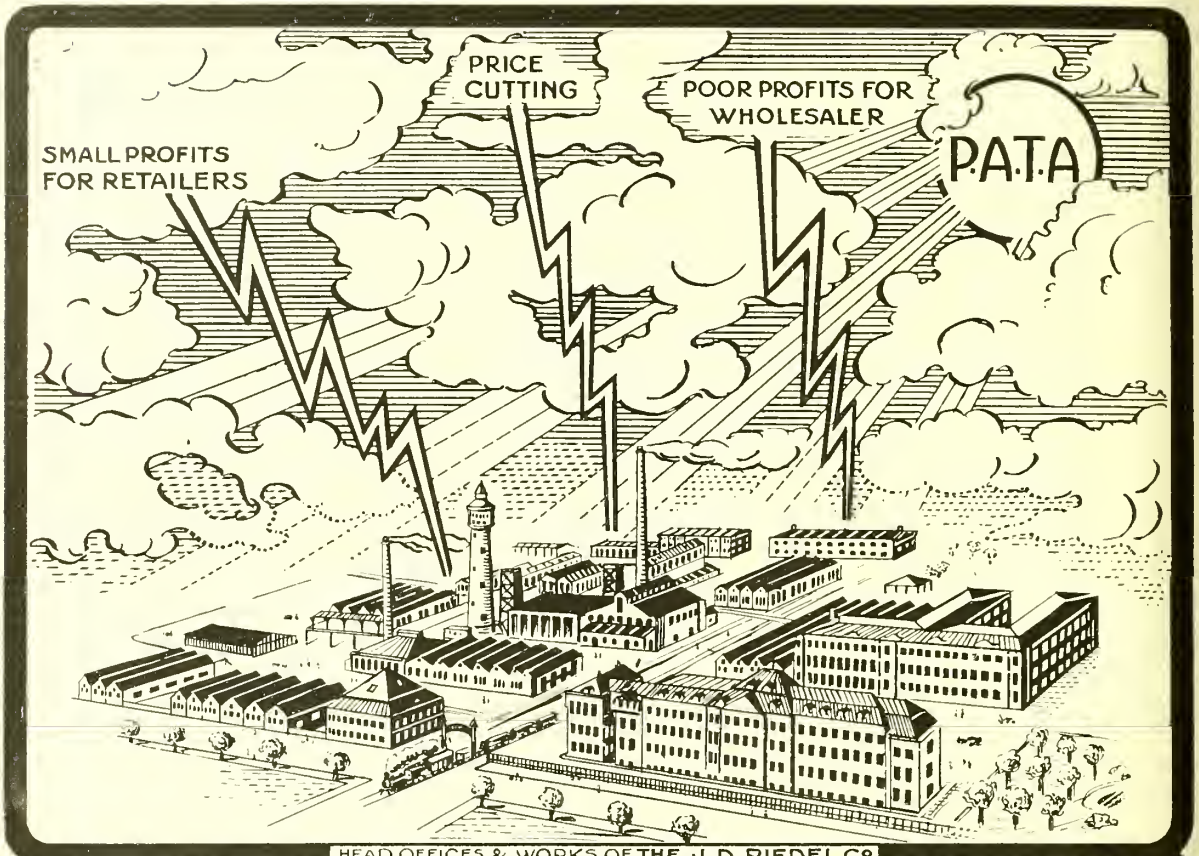
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INDEX TO ADVERTISEMENTS IN THIS ISSUE.

HEAD OFFICE: 42 Cannon Street, London, E.C. Telegraphic Address: "CHEMICUS, CANNON, LONDON." Telephone No. 852 BANK.
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The Arabic numerals (1 to 30) in this Index refer to Advertisements in front of the literary pages, the Advertisements following the literary pages are numbered in Roman numerals (i to xvi).

	Page
Adair, Mrs. E.	19
Aerators, Ltd.	21
Airtight Capsules Co., Ltd.	28
Alexandre, L.	ix
Allcock's Plasters	xii
Alliance Drug and Chemical Co.	vii
Allison, B	*Col. Supp.*
Angus, R. S.	viii
Atkinson & Barker	iv
Ayrton, Saunders & Co., Ltd.	12
Baker, Parson C.	*Col. Supp.*
Barnott & Foster	23
Bath and West of England College	xi
Beecham, T.	vi
Berdoe & Fish	*Col. Supp.*
Bewley & Draper, Ltd.	26
Bidwell, Bidwell & Co., Ltd.	20
Blyton, Astley & Co.	27
Boehringer, C. F., & Soehne	ii
Borax Consolidated, Ltd.	28
Boulton Macro, Ltd.	18
Braithwaite, H., & Co.	15
Brett & Co.	*Col. Supp.*
Bristol-Myers Co.	25
British Machine Co., Ltd.	15
Bromley, A. W.	*Col. Supp.*
Brumwell, C. W.	*Col. Supp.*
Buchler, H.	iv
Burge, Warren & Ridgley, Ltd	xiii
Burrough, J., Ltd	*Text* 754
Burroughs Wellcome & Co.	29
Cadbury Bros., Ltd.	*Cover*
Calvert, F. C., & Co.	20
Campbell, J. D.	viii
Camwal, Ltd.	22
Chemical Union Ltd.	*Text* 754
Chemical Works, Victoria	25
Chemists' Friendly Society	*Col. Supp.*
Christy, T., & Co.	ix
Cook, Geo.	*Col. Supp.*
Crewe & Co.	26
Davis, J. M., & Sons	xii
Ellison, H., Ltd.	viii
Erasmic Co., Ltd.	16
Evans Sons Lescher & Webb, Ltd.	*Cover*, xv
Exchange Column	*Col. Supp.*
Express Developing Co.	xiv
Expurgo Manfg. Co.	28
Farina, J. M., No. 4	17
Faulding, F. H., & Co.	ii
Fennings, A	*Cover*
Fentiman, A. G.	ix
Fentiman, A. J., & Co.	viii
Ferris & Co., Ltd.	iv
Fickus, Courtenay & Co., Ltd.	17
Fink, F., & Co.	viii
Fletcher, Fletcher & Co., Ltd.	*Text* 754
Free Church Touring Guild	xi
Fulford, C. E., Ltd.	4
Goodall, Backhouse & Co.	*Cover*
Grant, D.	xiv
Hackett, S. E.	*Col. Supp.*
Helder, E. C	viii
Hardy Patent Pick Co., Ltd.	15
Harley, T.	xv
Hayden Coffin T. P.	16
Haywood, J. H., Ltd.	xiii
Heinemann, W.	*Text* 754
Henry, T. & W.	14
Hewlett, C. J., & Son, Ltd.	iii
Horlick's Malted Milk Co.	25
Hovenden, R., & Sons, Ltd.	10
Howarth & Fair	xiv
Hygienic Syphon & Carbonator Works	24
Ichthyol Co.	iii
Isaacs, I., & Co.	26
Josephs, P., & Sons, Ltd.	*Col. Supp.*
Kay Bros., Ltd.	xv
Kent, G. B., & Sons, Ltd.	20
Kopp & Joseph	19
Lennon, Ltd.	ii
Levermore, A., & Co., Ltd.	viii
Lilywhite, Ltd.	xi
Lindner, M.	19
Little, D. J., Co.	iii
Liverpool School	xi
Lofthouse & Saltmer, Ltd.	26
London & Midland Insurance Co., Ltd.	xi
London College of Chemistry	xi
London Proprietary Co.	vi
Maw, S., Son & Sons	11
May & Baker, Ltd.	*Cover*
McAdam & Tuckniss	*Col. Supp.*
McKesson & Robbins	20
Merten, F., & Co.	*Col. Supp.*
Metz, Paul	ix
Millar, A., & Co., Ltd.	23
Milner's Chemical Co.	26
Mitchell, N. W., & Sons, Ltd.	26
Mumford, G. S., & Sons	*Text* 754
Natural Food Co., Ltd.	25
Newbery, F., & Sons, Ltd.	19
Nitsche & Gunther Optical Co., Ltd.	13
Orridge & Co.	*Col. Supp.*
Papier Poudre, Ltd.	1
Pears, A. & F., Ltd.	i
Phillips, C. H., Chemical Co.	9
Primer, J.	viii
Pure Aeration Supply, Ltd.	23
Ransom, Wm., & Son, Ltd.	*Cover*
Raworth, J. E.	viii
Read & Campbell, Ltd.	24
Rendell, W. J.	xii
Reynolds & Branson, Ltd.	*Text* 754
Riedel, J. D., Co.	2
Robinson & Sons, Ltd.	xiii
Robinson, B., & Co., Ltd.	14
Rudduck & Co.	*Col. Supp.*
Safety Celluloid Co., Ltd.	15
Sanitas Co., Ltd.	*Text* 754
Sankey, J., & Sons, Ltd.	ix
Schacht, Warner & Co.	*Text* 754
Schimmel & Co.	xvi
Schliemann's Oil & Ceresine Co., Ltd.	18
School of Pharmacy	x
Senier, A., & Co.	13
Shirley Bros., Ltd.	viii
Sim, Ltd.	ii
Singleton & Cole, Ltd.	viii
Skinner, H.	*Col. Supp.*
Smith, J. H., & Co.	xv
Smith, T. & H., Ltd.	iii
Solazzi Liquorice Juice	vi
Stedman, Dr.	viii
Steiner, E., & Co.	vi
Thornley, S., Ltd.	18
Tilling, T., Ltd.	15
Titterton & Howard	16
Tokalon, Ltd.	3
Tomlinson & Hayward, Ltd.	*Text* 754
Tomlinson, T., & Son	*Col. Supp.*
Toogood, W., Ltd.	14
Tooth's Extract of Meat Co.	25
Universal Bottle Co.	ix
Van Horn & Sawtell	viii
Vichy Water	24
Viscose Development Co., Ltd.	18
Waide, T., & Sons	xi
Wander, A., Ltd.	*Cover*
Wardale, F. C., & Co.	ix
Warrick Bros., Ltd.	30
Washington Chemical Co., Ltd.	iv
Wattenbach, Oscar	viii
Westminster College	x
Whiffen & Sons, Ltd.	iv
Whitaker & Co.	17
Wigglesworth & Co.	*Cover*
Wilkinson, Jas. F.	17
Wyleys, Ltd.	v

THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

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Parke, Davis & Co.
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Perkin & Co., Ltd

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Thompson & Capper, Ltd.
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Wood, Vincent

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Ichthyol Gesellschaft

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Ransom, W., & Son, Ltd.

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Jackson, Ernest, & Co.
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May & Baker, Ltd.

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Solport Bros.
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Curling, Geo., Wyman & Co.
Davies, Sons & Co.
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Pears, A. & F., Ltd.
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Christy, Thos., & Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.

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Bette & Co., Ltd.

SPRUCE BEER
Hobson, Joseph, & Son

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Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Carnegie Bros.
Dalmas, A. de St., & Co.
Davis, John Morgan, & Sons
Galen Manfg. Co., Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Haywood, J. H., Ltd.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Mason Bros. & Chapman
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Quelch, H. C., & Co.
Reynolds & Branson, Ltd.
Robinson & Sons, Ltd
Southall Bros. & Barclay, Ltd.
Van Horn & Sawtell
Vernon & Co., Ltd.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

SYPHON FILLER
Flugel & Co.

SYPHONS
Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd
Pure Aeration Supply, Ltd.
Sharman's Pat. Syphon Co.,Ltd.

SYRINGES
Bush, H. W., & Co., Ltd.

SYRUPS, MEDICINAL
Fellows' Med. Manfg Co.
Sinalco Co., Ltd.

TABLET MACHINERY
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co

"TABLOID" PRODUCTS
Burroughs Wellcome & Co

TAP JARS
Fulham Pottery & Chemin Filter Co., Ltd.

TABLETS, COMPRESSED
Allen & Hanburys, Ltd
Bishop, Alfred, Ltd.
Blyton, Astley & Co.
British Drug Houses, Ltd., The
Brook, Parker & Co., Ltd.
Burgoyne, Burbidges & Co.
Cartwright, W. B., Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb, Ltd
Guest, Thos., & Co.
Howards & Sons, Ltd.
Jackson, Ernest, & Co.
Johnson & Sons (Mfg. Chem.).
Lloyd, H., & Co., Ltd.
Parke, Davis & Co
Standard Tablet & Pill Co., Ltd
Thompson & Capper, Ltd.
Wand Manfg Co.
Wigglesworth & Co.

TARTARIC ACID
Boehringer, C. H., Sohn
British Drug Houses, Ltd., The

TEA
Christy, Thos., & Co.

TEATS
Ingram, J. G., & Son

TIN BOX MAKERS
Goodall, Backhouse & Co.
Liverpool Tin Canister Co., Ltd.
Shirley Bros., Ltd.

TINCTURES IN BOND
Macfarlan, J. F., & Co.
Ransom, W., & Son, Ltd.

TOBACCO
Stapleton & Cole, Ltd.

TOILET ARTICLES
Adair, Mrs.
Allen & Hanburys, Ltd.
Ansora Perfumery Co.
Armour & Co., Ltd.
Ayrton, Saunders & Co., Ltd.
Beetham, M., & Son
Blackie, Robert
British Drug Houses, The
Bronnley, H., & Co., Ltd.
Burroughs Wellcome & Co.
Chesebrough Mnfg. Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Daley, Ltd
Edwards' Harlene Co.
Erasmic Co., Ltd.
Enoryl, Ltd.
Fulford C. B., Ltd.
Gibbs, D. & W., Ltd.
Harker, Stagg & Morgan, Ltd.
Hovenden, R., & Sons Ltd.
Kopp & Joseph
Lloyd, Aimée & Co.
Lloyd, A. S. (Hovenden)
Lorimer-Marshall, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Osborne, Garrett & Co.
Papier Poudré, Ltd.
Parks, Davis & Co.
Pasery, Richard
Prichard & Constance, Ltd,
Providol Gesellschaft
Quelch, H. C., & Co.
Roberts & Co.
Sangers
Shirley Bros., Ltd.
Softo Manfg. Co.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Standard Tablet & Pill Co., Ltd.
Stedman, J. M.
Tokalon, Ltd.
Woolley J., Sons & Co., Ltd.

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Ayrton, Saunders & Co., Ltd.
Burgoyne, Burbidges & Co.
Ford, Shapland & Co.
Townsend, J., & Sons

TOURS
Free Church Touring Guild

TRADE-MARKS AGENTS
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Ford, Shapland & Co.
Haworth, John B.

TRUSSES
Bush, H. W., & Co., Ltd.
Davis, John Morgan, & Sons
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Sangers
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley J., Sons & Co., Ltd.

TURNED WOOD BOXES
Rogers & Co.

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Millard Bros., Ltd.
Metz, Paul
Thermos, Ltd.
Read & Campbell, Ltd.

VACUUM PANS
Bennett, Sons & Shears, Ltd.
Stokes, F. J., Machine Co.

VALUERS
Baker, P. C.
Berdoe & Fish
Brett & Co.
Evans, Gadd & Co., Ltd.
Orridge & Co.
Tomlinson, T., & Son

VASELINE
Chesebrough Mnfg. Co.

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Battle, Son & Maltby
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Cupal, Ltd.
Danysz Virus, Ltd.
Evans Sons Lescher & Webb, Ltd
Farmer, F., & Co.
Harley, Thomas
Harrison, G. W.
Hawker Arthur E.
London Hygienic Chemical Co.
Milner's Chemical Co.
Steiner, E., & Co.

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Grimble & Co.

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WATER GLASS
Barclay & Sons, Ltd
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WATER STILL
Brown & Sons
Stokes, F. J., Machine Co.

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Robinson, B., & Co., Ltd.

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Price's Pat. Candle Co., Ltd

WEED-KILLERS
Harrison, G. W.
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WINES
Burrough, J., Ltd.

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Idris & Co., Ltd.
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ZINC OXIDE
Hubbuck, T., & Son, Ltd.
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ZINC SULPHIDE SCREENS
Buehler & Co

"Milk of Magnesia"

(REGISTERED TRADE MARK)

PHILLIPS'

Is the ORIGINAL and ONLY GENUINE.

In bottles, 1/- and 2/3.

"Phospho-Muriate of Quinine Co."

PHILLIPS'

In bottles, 4/6.

THE
Charles H. Phillips Chemical Co.

14 HENRIETTA STREET, COVENT GARDEN, W.C.

Tel. No.: 3239 Central.

Quick-selling Side Lines for Chemists.

"KREMO" SAFETY RAZORS.

(Registered No. 220668.)



No. 50. Best quality Razor, silver-plated, with 7 blades, fitted in attractive case, lined silk and velvet.
Retail 5/- each ... 36/- per doz.



No. 51. Best quality Razor, silver-plated, with 12 blades, fitted in handsome nickel-plated case, lined velvet.
Retail 7/6 each ... 54/- per doz.

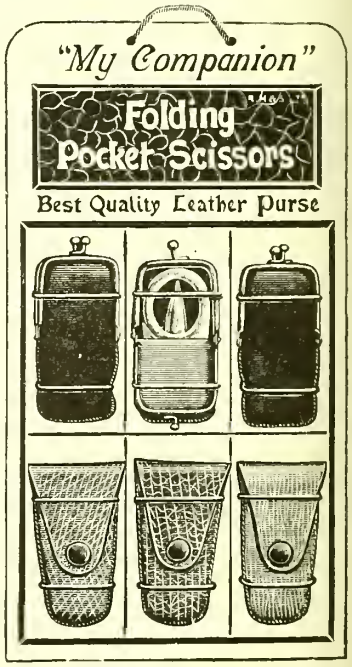
EXTRA BLADES. Packets, containing 12 blades ... 21/- per doz. packets.



No. 1. "**The Dwarf**" Hollow-Ground Corn Razor. ½-doz. on card, **8/3** per doz.



No. 23 Plain, 3 in., superior quality, ½ doz on card, **3 6** per doz.
No. 22 Ditto, 3⅜ in., stouter (*as illustration*), **7/3** per doz.
No. 23a Ditto, 3 in., with file, **4/-** per doz.
No. 22a. Ditto, 3⅜ in., with file, stouter **7 9** per doz.



No. 99. "**My Companion.**" ½ doz. on card, **8/-** per doz.

Prices subject to 2½% Cash Discount.

A General Catalogue will be forwarded on application.

R. HOVENDEN & SONS, Ltd., 29, 30, 31, 32 & 33 BERNERS ST., OXFORD ST., W. Tel. No.: 4240 Regent (3 lines). 89, 91, 93 & 95 CITY ROAD, FINSBURY, E.C. Tel. No.: 6260 London Wall (2 lines). **LONDON**

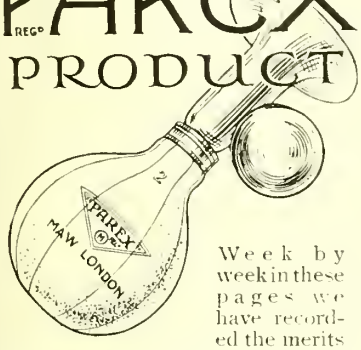
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S. MAW, SON & SONS
7 TO 12, ALDERSGATE ST.
LONDON, E.C.

Maw's Page.

No. 135 MAY 16, 1914

OUR LATEST PAREX REGD PRODUCT



Week by week in these pages we have recorded the merits of our various "Parex" productions. We have claimed, not without reason, that "Parex" means perfection. The whole-hearted support we have received for the various lines is eloquent proof of our customers' confidence in our goods *and* our claims. It is with pleasure that we add another line to our unique list of "Parex" successes.

BRITISH MADE

We have just completed arrangements for distributing our new "Parex" Breast Reliever, and the first supplies are now ready. Constructed with best British made red rubber bulb, and glass—with large receptacle for milk—the "Parex" Breast Reliever offers splendid value for money. In addition to all-round excellence of manufacture, the "Parex" is put up in a manner worthy of "Parex" reputation.

WELL PUT UP Each is sent out in neat grey box with attractive label outside lid.

This, then, is our latest "Parex" product. Knowing from past experiences the large demand for new "Parex" lines, we advise early ordering to ensure prompt delivery of the Breast Relievers.

PRICE 20/- DOZEN

MINIMUM RETAIL PRICE, 2/6

TELEPHONE (4 LINES)
LONDON WALL 3230
TELEGRAMS & CABLES
"ELEVEN, LONDON"
CODE. ABC (4TH & 5TH EDN)

NOTES & NEWS

SHAVING BRUSHES — Maw's Silvered Wire Bound should be in every high-class brushware display. Prices from 10/6 to 120/- per dozen.

□

WHEREVER veterinary goods are in demand, Maw's "Parex" Enema Pump commands good sales. 1 pint, 9/- each; 2 pint, 12/- each.

□

WE are just introducing a very effective display card for our Motor and Cycle Goggles, a clip being so placed that a pair placed on it form the headlights of a motor car.

TRAVELLING & HOLIDAY REQUISITES

The coming Sunshine Days should mean days of profit for every Pharmacist

A display of "Maw" Quality Goods will more than ensure a successful Season

1914

TWO WEEKS TO WHITSUN

HOLIDAY LINES.

Here are a few travelling requisites in demand before and during holiday-time:—

TOILET HOLDALLS.
18/C, "The Prudence," double-proofed grey, 18×12 in., per dozen 27/-; 20/C, Twill, 17×9 in., per dozen 30/-. These and many others are illustrated on page 469 of our Catalogue.

BINOCULARS.
A new prismatic Binocular. Power 7, weight 10½ oz., height when closed only 2½ in. Large field. Price 63/- each.

VACUUM FLASKS.
"Junior Effective" No. 1, ½-pint, 18/- per dozen; 1 pint, 23/- per dozen; 2 pint, 50/- per dozen. No. 3 (super quality), 1 pint, 36/- per dozen.
Special quotations for 1 dozen and larger quantities. Write for list.

SPONGE BAGS. New Patterns.
The "Sylph," from 6/- to 13/- per dozen. The "Princess" and "The Strand," from 7/- to 15/- per dozen. The "Sandhurst," from 8/- to 18/- per dozen.

BATHING CAPS.
The "Enchantress." New series of patterns, each in four colours: saxe blue, heliotrope, cerise, and wistaria. Send your name for illustrated price list now in preparation.
For *all* requirements, the House of Maw service ensures satisfaction.

OUR OPTICAL CORNER

EYEGLASS CHAINS.

The following have been selected from our large range of patterns:—

ROLLED GOLD EAR CHAINS.
Wire Ear Loop, 6/3 doz.; Cable do., 8/3 doz.

9-CT. EAR CHAINS.
Wire Ear Loop, 2/9 ea.; Cable do., 4/3 ea.
Above supplied in 3 patterns of links.

LONG PATTERN.
Gold Filled, 13/- doz.; 9-ct. Gold, 4/- ea.
Mounted on neat cards, and with each dozen 3 are supplied on attractive velvet pads for window display.

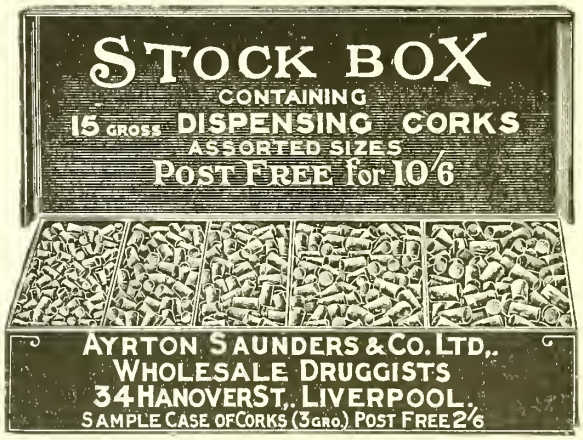
THE NEW "MIJ-EKLIPS" AUTOMATIC EYEGLASS HOLDER
(as illustrated).



Can be completely covered with a 6*d*. piece. In Plain Black, 15/- per doz. Fancy Oxydised or Silvered, 16/- per doz. Dull or Polished Gold Plated, 21/- per doz. Oak Stand to display same, 1/6 each.

MEM. *Send your next Prescription work to us*

IXL



IXL

It is, we think, generally admitted by the Trade that our series of Corks are the very best possible value obtainable.

We assume this, owing to the large number of, not only orders, but flattering communications on the subject received by us from all parts of the world. As it is, however, now over a year since we have advertised Corks to the Trade, during which time a large number of men have commenced business for themselves, in order to draw their attention, and any others who may not yet have sampled our Corks, we offer to send the above Case, post free, at cost, namely 9/-, to anyone in the United Kingdom during MAY and JUNE ONLY, and for 12/6 abroad during AUGUST and SEPTEMBER ONLY.

We would also draw attention to our sample Case of Corks for ordering purposes, containing three gross, post free, to anyone in the United Kingdom for 2/6; abroad 3/6. This Case, apart from its value for sampling purposes, contains fully 2/6 worth of Corks.

Ayrton, Saunders & Co., Ltd.,

WHOLESALE DRUGGISTS,

34 HANOVER STREET, LIVERPOOL.

NITSCHE & GUNTHER OPTICAL CO. LTD.

OUR "Stae-on" CAMPAIGN.



The illustration of this charming young lady has been specially and exclusively painted for us by one of the most celebrated Poster artists of the day.

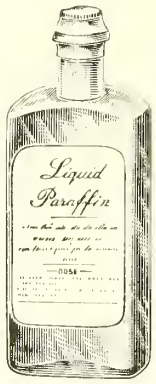
We are reproducing it in Four-colour Art Printing in Show-cards, Booklets, Leaflets, Advertising Electros, Lantern Slides, etc., as part of our "Stae-on" Finger-piece Eyeglass campaign.

Write us— so that we can give you full particulars

66, HATTON GARDEN, LONDON, E.C.

LIQUID PARAFFIN
FOR INTERNAL USE.

GUARANTEED B.P.

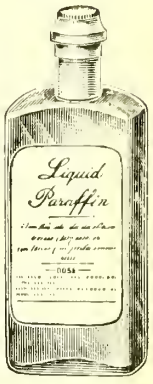


Packed in White Flint Flats, fitted with Toogood's Improved Aluminium Top Corks.

4 oz. ...	4/- per doz.	12 oz. ...	8/9 per doz.
6 oz. ...	4/10 ,,	16 oz. ...	11/- ,,
8 oz. ...	6/- ,,	20 oz. ...	15/- ,,
	40 oz. ...	29/- per doz.	

In ½-gallon Tins, 3/- each; 1-gallon Tins, 5/6 each.

Customer's name free on orders of 3 dozen assorted.
SPECIAL PRICES FOR LARGE QUANTITIES.



WILLIAM TOOGOOD, Ltd., 77 Southwark St., LONDON, S.E.

ESTABLISHED 1772.

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity, by
Messrs. THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester,
And is sold in Bottles, authenticated by a Government Stamp bearing their name. Trade Mark, "Henry's Calcined Magnesia."
PRICE 4s. 6d. or 2s. 9d.

NEW YORK: Messrs. SCHIEFFELIN & CO., William Street. PARIS: Messrs. ROBERTS & CO., 5, Rue de la Prix.

Telegraphic Address: "Champagne Manchester." Telephone: 138 Pendleton.

B. ROBINSON & Co., LTD., PENDLETON, MANCHESTER.

Established 1855.

ORIGINAL

Excise Drawback or Export Orders.

CONCENTRATED WATERS.

STANDARDISED TO B.P. 1898.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.) 4/- per lb.	Aqua Cassiæ Conc. ... ... 4/- per lb.	Aqua Menth. Virid. Conc. ... 4/- per lb.
,, Anethi, Concent. ... ... 4/- ,,	,, Flor Aurant. ... ... 8/6 ,,	,, Pimentæ ,, ... 4/- ,,
,, Anisi ,, ... 4/- ,,	,, ,, Sambuci Conc. ... 8/6 ,,	,, Pulegii ,, ... 4/- ,,
,, Camphoræ ,, ... 4/- ,,	,, Fœniculi Conc. ... ... 4/- ,,	,, Rosemarini ,, ... 4/- ,,
,, Carui ,, ... 4/- ,,	,, Menth. Pip. Conc. ... 4/- ,,	,, Rosæ ,, ... 8/6 ,,
,, Cinnam. Ver. Conc. ... 6/- ,,	,, ,, Ang. Conc. ... 6/- ,,	,, ,, Virgin ,, ... 10/6 ,,

The above may be had in ¼-lb., ½-lb., or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses
Each Bottle has the Inventor's Protection Label over the Cork, without which none are genuine.

PURE ORANGE WINE

(VINUM AURANTII, B.P. 1898)

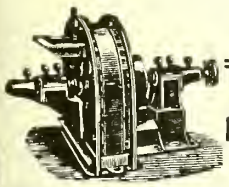
Samples of any of the above sent free on application

ACETYL CELLULOSE
FOR ALL PURPOSES.

IN LARGE OR SMALL QUANTITIES.

Safety Celluloid Company, Ltd.
8 Laurence Pountney Hill, Cannon St., London, E.C.

GRINDERS
For All Purposes.



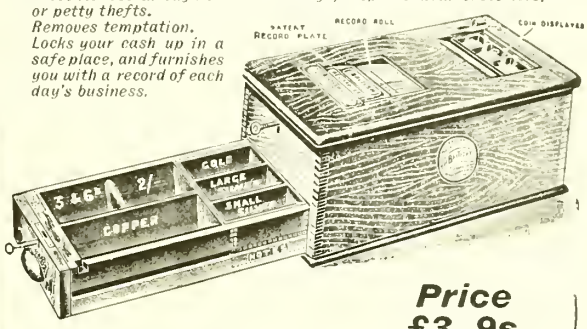
Write for Lists.

THE HARDY PATENT PICK CO. Ltd.
SHEFFIELD, ENG.

MONEY WOULDN'T BUY IT FROM ME!
This is what a Chemist wrote us the other day.

YOU CANNOT AFFORD TO BE WITHOUT THE BRITISH 1914 MODEL TILL.

There's no Till built by anybody anywhere to equal it.
It enforces the registration before Cash Drawer can be opened.
Prevents loss through errors in change, disputes with customers, or petty thefts.
Removes temptation.
Locks your cash up in a safe place, and furnishes you with a record of each day's business.

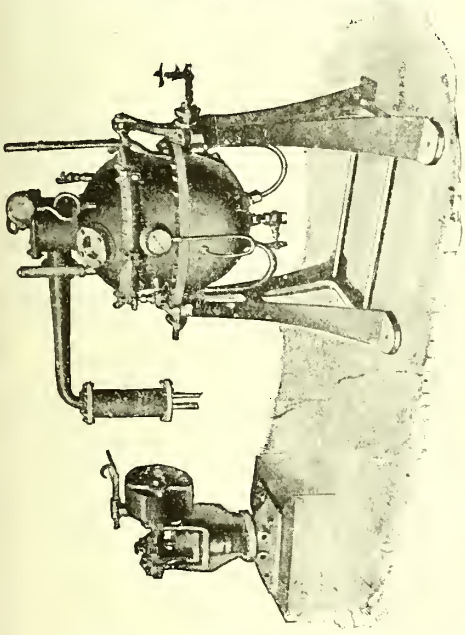


Price £3 9s.

It's easy to give a penny too much in change—isn't it?
It's such a small amount, but a penny a day is sixpence per week or 26/- a year. This Till will prevent this loss, and if it saves you only one penny a day will show you a return of 42½% on its cost.
How do you know that mistakes and other leakages of much larger amounts are not taking place daily in your Pharmacy?
Install ***The "BRITISH,"*** *and in less than six months you'll be writing us similarly to the Chemist who wrote that "Money wouldn't buy it from him."*

TEST IT FREE. We'll send it at our risk.

BRITISH MACHINE CO. Ltd., *Patent Till Works, HALIFAX.*



Copper Vacuum Pans, Steam Pans, &c.

H. BRAITHWAITE & CO. LTD.,
COPPERSMITHS,
SWINEGATE, LEEDS.

THOMAS TILLING
Limited,

Motor Engineers, Haulage and Government Contractors.

Chief Office:
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Tel: 1209 Hop.

Are prepared to give quotations for
1 ton PETROL VEHICLES
2 ton PETROL VEHICLES
4 ton PETROL VEHICLES
5 ton STEAM VEHICLES,
with or without
3 ton TRAILER ATTACHED,
for any period.

ERASMIC

Window Display Competition

We have received a large number of letters from customers saying that

The **1d. "Peerless"**

is creating a huge demand for the **4d.** size.

Our **"Special Bonus"** Offer is already an assured success

Have you sent your order to—

"Erasmic," Perfumers, Warrington?

LATEST FINE SELLING **NOVELTY**

HAYDEN COFFIN

TOOTH POWDER

COMPRESSED, PTD.

(From a Prescription of his father, Dr. C. R. COFFIN).

NOT A SOAP. NOT A PASTE. UNIQUE ARTISTIC PUT-UP.

Now on Sale at

BARKER'S, HARRODS', SELFRIDGE'S, WHITELEY'S, ARMY & NAVY STORES, and leading WEST-END CHEMISTS'.

ALSO THE

HAYDEN COFFIN

HYGIENIC TOOTH BRUSH (Rgd.)

Retail Prices:

POWDER, 2s. 6d. BRUSH, 1s. 1d.

Trade Supplied by

HAYDEN COFFIN T. P.

39 VICTORIA STREET, LONDON, S.W.



GOOD PROFITS

are made by selling

TITTERTON'S

CELEBRATED

BRUSHES

(Hair, Tooth, Nail & Shaving Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

TITTERTON & HOWARD,

Brush Manufacturers,

8 & 10 Great Titchfield St., London, W.

Johann Maria Farina's Julichs Platz No. 4

By Appointment to H.M. King George V.



GENUINE

EAU DE COLOGNE

is known throughout the world by the label on the bottle as shown herewith. Attention is drawn to the No. 4, which is the number of Johann Maria Farina's Factory Place, viz. Julichs Platz No 4, in the city of Cologne on the Rhine.

Buenos Aires, 1911, GRAND PRIX.

Turin, 1911, GRAND PRIX.

HIGHEST AWARDS.

Wholesale Agents:
FICKUS, COURTENAY & CO. Ltd.
36 Sackville St., Piccadilly
LONDON, W.



NO GLOSS NO POLISH

In bottles, 6d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

On the P.A.T.A.

Write for terms, patterns, also leaflet of testimonials:

WHITAKER & CO. COLOUR WORKS, KENDAL, ENG.

London Depot: 60-62 CLERKENWELL ROAD, E.C.

Special Non-Inflammable Series for Export. *EST. 1878.*

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MEDICAL LABEL PRINTER

UP-TO-DATE AND ARTISTIC

DESIGNER, ENGRAVER, and PRINTER

OF ALL KINDS OF

LABELS, CARTONS, LEAFLETS, BOOKLETS, HANDBILLS, and all CHEMISTS' REQUIREMENTS.

HIGH-CLASS COLOUR WORK
A SPECIALITY.

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BEFORE PLACING YOUR ORDERS FOR

PETRO. JELLY

Petrolatums, B.P., and Commercial Qualities, White, Cream, Yellow.

WRITE TO

Schliemann's Oil & Ceresine Co., Ltd.

Tel. No.: 5411 Avenue.
Tel. Add.—"Mannschlie."

London House, 3 New London St., E.C. (2)

METHYLATED SPIRIT

Buy from one of the Oldest Houses in the Trade.

Write for Prices. **ESTABLISHED 1794.**

SAMUEL THORNLEY, LTD., BIRMINGHAM

Large Profit! Selling Lines!

SENIER'S

Hat-Cleaning Balls
(Each in a hat),
24/- per gross net.

Hat-Cleaning Powder
(In Envelopes),
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in Bottle Cappings. Air-tight, spirit-proof, easy to put on, self-fitting: the bottle's contents hermetically sealed.

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SELF-FIXING BOTTLE CAPS

V188

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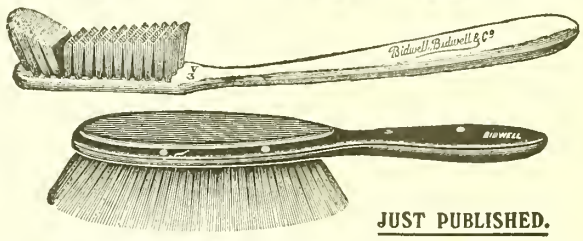
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Gives a lather most effective for its purpose—to secure a comfortable and hygienic shave. Readily rinsed from a safety razor.

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¶ If not, lose no more time in sending us your order!

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per $1\frac{1}{2}$d. Syphon!

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This handsome Showcard, measuring 30 by 20, in substantial dark-stained, glazed Frame will assist you to sell more of the

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By the use of our latest Back Pressure Filling Machines only half the usual quantity of Gas is used for the manufacture of the Highest quality Soda-water, either in Syphons or Bottles.

THE "COMPACT" MACHINES

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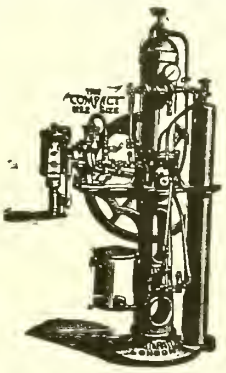
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and everyone to whom space is an object, and can be used for filling Syphons, Codd's Bottles, or Cork Bottles.

OCCUPY LITTLE SPACE!
ARE READY FOR USE IMMEDIATELY!
REQUIRE NO FIXING!

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VICHY-CÉLESTINS

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VICHY-ÉTAT PASTILLES.

Two or three Pastilles after each meal facilitates digestion.

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The **MANUFACTURE** and **SALE** of

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SUPERTESTED VACUUM FLASKS

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Supplied in various "finishes"

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They compare favourably with the cheapest genuine Vacuum Flasks in price and with the dearest in quality. Write for Price List to

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Lunch Tablets

MALTED BARLEY, WHEAT & MILK in TABLET Form.

In Glass Pocket Flasks.

Costs the Trade 9/- for Single Dozens.

ESPECIALLY CONVENIENT FOR TRAVELLERS
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Write for particulars to—

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A NEW SIZE TO SELL FOR ONE SHILLING.



One Dozen Flasks for Counter Display.

VEROX
ALL BEEF. ALL BRITISH

Fluid Beef is the line that sells. More cups to the bottle, better quality and low minimum selling prices are a few points that, backed by good advertising, create the demand.

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Food for Babies, Prepared Barley, Brunak, Power, N-F. Cocoa, Biscuits, Soup, Nutbutter (Walnut Brand), Wholemeal, &c.

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We issue a list of WHOLESALE HOUSES who keep above in stock; if for *any* reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." ***None Genuine Without.***

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Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade.

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For the manufacture of Tablets, Chemical Foods, Nerve Tonics, etc.

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3 doz. with Hat - 4/- net.
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Carriage Paid.
2 gross, 2½% 5 gross, 5% 10 gross, 7½

13 to doz. for cash with order.

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We send six gross assorted or otherwise, carriage paid, to any address in the United Kingdom. Smaller quantities not carriage paid.

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3 & 4 6 & 8 12 16 ozs. Plain or graduated, round edges
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½ 1 1½ 2 ozs. Plain or teaspoons.
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Orders sent to either establishment have attention.
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Manufacturing Chemists

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Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

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" " " " "	1/-	7/-
" " " " bottles in cartons	1/6	10/6

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LOSALL'S COMPOUND SULPHUR SOAP.
A valuable emollient medicated skin soap, especially suitable for use in Eczema — 1/- — 8/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

SPECIAL TERMS ARE OFFERED FOR WHOLE OR PART WINDOW DISPLAYS.

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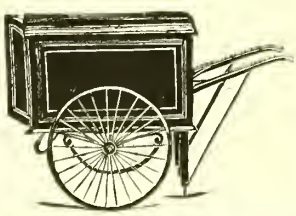
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30 gross bag post free for 11/-

Free sample sent on application.

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"Bouchon" Works,
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finished in any desired colours are one of our most popular lines of manufacture.

We are also makers of

Trucks and Trollies

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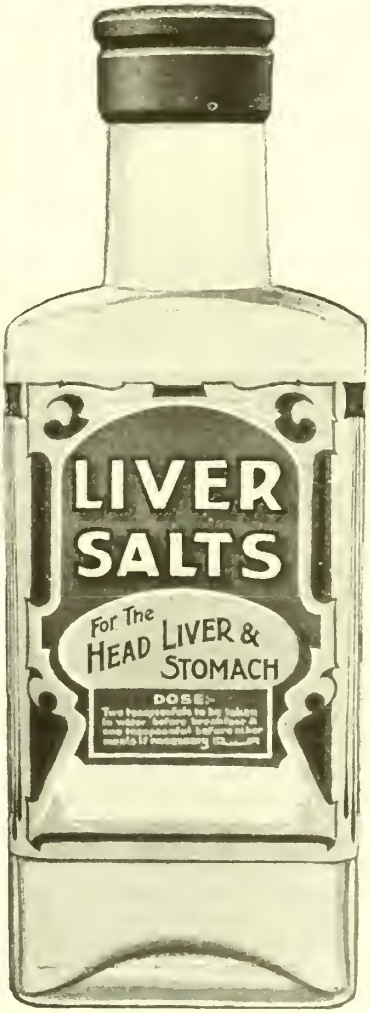
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Sell at 1 3 or 1 6.
Name and address on 3 dozen.



Name and address
on orders for 3 dozen.

"Extra Refined" Borax is the Grade recommended for Medicinal Purposes

Varying interpretations of the Food and Drugs Act often lead the unsuspecting druggist into trouble. There is always the possibility that the ordinary Commercial Quality Borax, though 99·50% pure, may be officially regarded as unsuitable for sale as a drug. All trouble is avoided by specifying

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TEXTURÆ ANTIQUÆ. 21—BABYLONIAN

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The lion's share of the business is naturally attracted by those chemists who support the maker's advertising by displaying the goods.

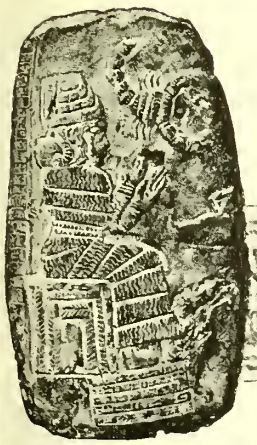
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A Weekly Journal of the Chemical and Drug Trades
and of
British Pharmacists throughout the Empire.
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Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

CONTENTS OF THIS ISSUE.

Vol. LXXXIV., No. 20 (Series No. 1790).

["Page" and "p." (in the text) refer to the numbers at the top of the pages; the numbers in the Index refer to the Index folios at the bottom of the pages, which also are used in such references as 1913, II., 876.]

	PAGE
Association Affairs	54
Australasian News	37
Births	41
Birmingham Drugs	43
Business Changes	41
Chemists' Windows	33
Colonial and Foreign News	37
Coming Events *Col. Supp.*	
Companies and Company News	40
Correspondence	62
Deaths	41
Editorial Articles:	
General Discontent	48
Patent Medicine Inquiry	49
April Foreign Trade	49
English News	34
Festivities	56
French News	36
Gazette	33
Insurance Dispensing:	
The Present Problem	51
Reports from Local Centres	51
Notes	54
Information Department	45
Irish News	35
Legal Reports	38
Marriages	41
Medical Memoranda	32
Minor Botany	32
Netherlands Notes	45
New Books *Col. Supp.*	
Observations and Reflections	47
Personalities	41
Pharmaceutical Society of Ireland:	
Council-meeting	43
Poisonings	42
Practical Notes	57
Retrospect	64
Royal Society	43
Scientific Progress	46
Scottish News	35
South African News	36
Sports	45
Trade-marks	56
Trade Notes	42
Trade Report	57
Westminster Wisdom	44
Wills	41

TO STRENGTHEN THE LINKS

of business friendship in Canada, Newfoundland, the United States, Central and South America, and the West Indies is one object of the

NEW WORLD ISSUE
of
The Chemist and Druggist

Another object is to forge new links entirely. The advertising pages of the New World Issue effect these objects for all with chemists' supplies to sell. The Issue is to be published *next week*, and advertisers will assist the Publisher by sending him "copy" and instructions not later than

Tuesday Next, May 19.

Telegrams: "Chemicus Cannon London" (two words). Address: THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. Telephone: Bank 852 (two lines)

SUMMARY.

Subscribers are advised to read this column first.

Articles and Communications.

A system for treating inebriates is outlined on p. 33.

The mustard plant is figured and described in Minor Botany (p. 32).

We deal more fully than last week with April exports and imports (p. 49).

How a chemist used effectively the initial letter of his surname in a window-display is shown on p. 33.

Mr. Dott insists that the North British Branch should be consulted by the Pharmaceutical Council in regard to pharmacy law amendments (p. 63).

There is as yet no sign of the Patent Medicine Select Committee being reappointed. We suggest that some people would not be sorry if it was no more heard of (p. 50).

Interesting letters in regard to the effect of Insurance dispensing on chemists' incomes are printed on pp. 62-63. One of these includes financial statements for 1912 and 1913.

A contributor deals with the discontent among panel chemists, which has become acute consequent on discounting of accounts. This week the unsatisfactory state of affairs is discussed (p. 51).

News of the Week.

A prominent herbalist has been fined at Worcester for practising as an apothecary (p. 38).

German chemical companies have done exceptionally well lately, judging by their reports on p. 40.

English "quacks" have been doing so well in Hungary that the police are looking after them (p. 37).

Dispensing in Birmingham has been tested by the public analyst, whose report is summarised on p. 43.

Tynemouth Guardians have decided to employ a local firm of chemists to dispense for the sick poor in the workhouse (p. 56).

In Holland the pharmacists' organisation is much concerned about the composition and sale of "quack" medicines (p. 45).

Golf is growing pharmaceutically. A club has been formed in Newcastle-upon-Tyne. Edinburgh players got a fright at Glasgow (p. 45).

The exhibits at the Royal Society's Conversazione this week were but distantly related to pharmacy. Our notes are printed on pp. 43-44.

A Divisional Court of King's Bench has held that a plea of warranty under the Sale of Food and Drugs Acts may be lodged before a summons is received (p. 38).

Two chemists in the Potteries have been fined under the Sale of Food and Drugs Acts for selling salt of tartar which was not B.P. It contained too much arsenic (p. 39).

The amending Insurance Act will not be introduced until after Whitsuntide. Mr. Locker-Lampson has returned to questioning upon chemists' accounts (p. 45).

The Insurance Commissioners will not at present increase the Drug Fund. See "Lancashire" on p. 52, where also reference is made to what was to be done at Preston on Thursday.

Some more Chemists' Associations have wound up the 1913-1914 Session by electing new officers. Thames Valley does not want to change its incidence upon Metropolitan affairs (p. 55).

Our revelations of the peculiar conditions that United States Consuls are required to place on invoices of goods for export to the Republic have produced newspaper comment and a statement from the London Consulate (p. 50).

Insurance news this week shows that efforts are being made in various parts to square the circle. Dundee has followed Aberdeen in condemning the Commissioners' action in giving less money to the Drug Fund than it is entitled to (p. 53).

Trade and Market Matters.

Menthol, Japanese mint oil, and refined camphor are all higher as the result of speculation. Chrysarobin, opium, and cod-liver oil are also dearer. Lemon, orange, and star-anise oils (c.i.f.) are cheaper. Ammonium carbonate and sulphate are also lower (p. 57).

Minor Botany.

Being the seventeenth of a series of articles for pharmacy students which commenced on January 3, 1914.

THE crucifers, or *Cruciferæ*, so called from the cruciform arrangement of petals in the flower, form a well-marked-off natural order, although it is closely approached by members of the poppy family. Indeed, the celandine (*Chelidonium majus*, N.O. *Papaveracea*) looks at first sight exactly like a crucifer, but is distinguished



BRASSICA ALBA.

by having more than six stamens and containing (yellow) latex. The crucifers are a large order composed mainly of annual herbs whose wide distribution in temperate climates is a tribute to the success of the type. The classification of its members is singularly difficult owing to the impossibility of distinguishing between species and variety, which merely emphasises that this is an artificial distinction and that evolution of variety and species is actively progressing. The crucifers are usually herbs with alternate leaves without basal appendages (exstipulate). The flower has four sepals arranged in two whorls and separate from one another. The petals form a single series arranged in a characteristic cruciform manner (diagonally to the four sepals), and as the sepals are usually arranged in a tubular manner the base of each of the petals, which are also not united, is prolonged into a strap-shaped portion or claw. The six stamens are also distinctive, consisting of four (two pairs) long stamens, and two shorter lateral stamens (tetradynamous). The superior ovary consists of two carpels bearing ovules at their united margins (parietal placentas). An outgrowth from the placentas forms a false septum which divides the ovary into two. The pod-like fruit, which may be long (siliqua) or short (silicula), opens from the bottom, the two carpels forming valves turning upwards, leaving the seeds attached to the false septum or replum. The stamens, ovary, and fruit characterise the order, the floral formula for which is K2+2,C4×,A2+2^2,G(^{2}). The cross indicates the diagonal arrangement of the petals and "2^2" marks the probable origin of the four long stamens by doubling (chorisis) of two stamens originally in the median plane of the flower.

White mustard, *Brassica alba*, Boissier, is an annual about two feet high, cultivated for the sake of its seeds, which enter into the composition of the mustard of commerce, and are used in immense quantities for growing young mustard-plants for use in salads. The leaves vary considerably in shape, the lower being more deeply lobed than the uppermost ones. Frequently they are lyrate—*i.e.*, the largest lobe is the terminal one. The margins are irregularly toothed, and stiff hairs occur on both sides of the pale green leaves. The flowers are in racemes, a field of mustard in flower forming a blaze of bright yellow in summer. The flowers, which have the normal structure, are succeeded by spreading bristly pods with a long beak and swellings marking the position of the yellowish seeds.

MEDICAL MEMORANDA.

Adrenalin in Asthma.

DR. ARTHUR F. HERTZ, writing to the "British Medical Journal" (1914, I., 965), suggests that the dose of 1-in-1,000 adrenalin-chloride solution given by subcutaneous injection in asthma should be ½ minim for slight attacks, and rarely more than 1 minim in severe attacks of asthma. He finds from personal experience that doses of more than 2 minims cause very great discomfort and some alarming symptoms.

Antimony in Pneumonia.

DR. C. E. LIESCHING, Tiverton, in the "British Medical Journal" (I., 1914, p. 914), commends the use of antimonial wine in doses of 2½ minims in cases of pneumonia. He has used it for some years in these cases and found almost invariably that the crisis has come at the end of the fourth day. Recently, having found the benefit of aconite in 2-minim doses in cutting short colds which are creeping on to the lung, he used it for the first forty-eight hours in pneumonia, after that going on to the antimonial wine, with the result that the temperature has tended to drop before the fourth day. The only cases that have been somewhat disappointing are those in which the pneumonia has been a complication of influenza. In those the crisis has come at the end of the fourth day, but it has not warded off the other lung taking on inflammatory action.

Hair-dye Dermatitis.

THE "British Medical Journal" (Epitome, April 24) reports that A. Blaschko, a German medical man, has seen several cases of dermatitis due to proprietary hair-dyes, all of which on analysis were found to contain paraphenylendiamine, $C_6H_4(NH_2)_2$. This substance is gradually oxidised by the air, and is rapidly oxidised by hydrogen peroxide, the resulting dark colour being due to the formation of Bandrowski's base. A by-product of the oxidation is quinonedichlordiamine, which is responsible for the inflammatory action of the hair-dye, but if pure paraphenylendiamine is used and absorbed by the skin in considerable quantities toxic effects occur. It is claimed for a preparation called "Koorpa" that it contains meta-, ortho-, and paraphenylendiamine, the toxicity of which has been removed by the formation of sulphates. Blaschko tested this preparation on himself and on others, and observed no inflammatory reaction. Some time later he observed a case in which the preparation evoked a violent dermatitis. Many experiments have been made to rob this drug of its toxic qualities, but it is very difficult to separate them from the qualities of staining. Even when the toxicity of a dye has apparently been reduced to a minimum cases of idiosyncrasy are almost inevitable. The author has found that "Primal" prepared in an aniline factory is usually non-irritant. In this preparation paraphenylendiamine is replaced by tolylendiamine, and it contains sodium sulphite. The formation of quinonediamine is thus avoided or reduced to a minimum; the formation of Bandrowski's base occurs quickly, and poisonous by-products are rapidly decomposed. The dye

has, however, caused an acute eczema of the face and scalp in one case. The treatment of dermatitis due to hair-dyes consists of removing all traces of the irritant with lukewarm water. When the inflammation is severe boracic compresses should be prescribed, and crusts should be softened with vaseline or oil. When the inflammation is less severe a zinc lotion may be applied. If the patients insist on the use of a hair-dye, a relatively harmless dye, such as "Primal," may be prescribed. The hair should be thoroughly washed directly after the dye has been applied, the skin of the face and scalp having been previously protected by some fatty substance.

Treatment of Inebriates.

Dr. A. M. Rosebrugh, of Toronto, medical officer of the Ontario Society for the Reformation of Inebriates, gives in the "British Medical Journal" particulars of the treatment which he adopts. The treatment, whether in hospital or elsewhere, is commenced with calomel at bedtime, and "salts" or "seidlitz" the following morning. Acute gastritis in hospital cases is treated with ½-grain doses of calomel given every half-hour for five hours, followed six or eight hours later with salts or "seidlitz." In case of acute alcoholism the treatment commences with a hypodermic injection of apomorphine $\frac{1}{10}$ grain, and, if this is not followed in ten or fifteen minutes by emesis, a second injection is administered, but with a dose of $\frac{1}{20}$ grain only. In cases of nervousness 30-grain doses of potassium bromide, well diluted in water, are given every three hours. A hypodermic injection of strychnine $\frac{1}{30}$ grain is administered every six hours. One ounce of a solution of capsicum, 6 grains to the ounce, is given every two hours. The bromide solution is suspended when no longer necessary for relieving nervousness. The hypodermic solution of strychnine is suspended at the end of six days, and on the seventh day the following mixture is substituted :

Tincture of capsicum	5j.
Fluid extract of quassia, Tincture of ignatia ... of each	5iss.
Water	5viij.

Dose: A tablespoonful every hour while awake.

The tincture of nux vomica may be substituted for the ignatia—the same quantity (1½ dr. to the 8-oz. mixture). This mixture is continued until the end of the full time of three weeks' treatment. The capsicum may be omitted, however, at the end of two weeks. Whisky-and-water may be given to patients for two or three days at the outset of treatment when there is a craving for it.

With the home treatment the hypodermic injections of strychnine and apomorphine are omitted. Either the calomel-and-salts treatment or a laxative of some sort is given at the outset, and the bowels kept loose for a few days. The medical treatment proper is commenced with the following mixture :

Tincture of capsicum	5j.
Tincture of ignatia (or nux vomica)	5iss.
Water	5viij.

Dose: A tablespoonful every hour while awake.

After ten days this mixture is changed to the following :

Fluid extract of quassia	5ij.
Tincture of ignatia (or nux vomica	5iss.
Water	5viij.

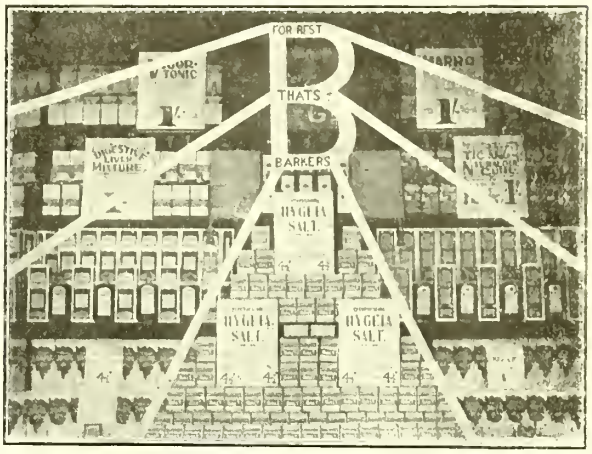
Dose: A tablespoonful every hour while awake.

This mixture is continued until the end of the third week of treatment. The patient calls for treatment every day during the first week, every second day during the second week, and every third day during the third week. It is not claimed that the craving is removed permanently, but some cases go for years without making a break, while others make a break in a few months.

The treatment is a tonic for the nerve centres, and leaves the patient improved in health and strength, with good appetite and good digestion. In some cases, for convenience sake, strychnine tablets are given instead of medicine in a liquid form—$\frac{1}{40}$ grain every hour for from twelve to fourteen hours a day. A reference is also made to the emetine treatment, the objection to which is that the patient has to be constantly watched.

CHEMISTS' WINDOWS.

New ideas for dressing windows are invited. Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.



A Novel Window.

Mr. J. Barker, pharmacist and optician, Leicester, has recently made a profitable window exhibit of specialities, in which his surname initial was effectively employed. The big B was drawn on fairly stiff white paper, then cut out, the lettering upon it being done in ordinary black ticket-writer's ink. The strips were cut from ordinary white wrapping-paper, the whole being pasted separately on the inside of the window, which is fitted with three glass shelves, upon which the goods were displayed, but the intermediate shelves were simply strips off packing-cases covered with white paper and supported by empty food-tins. Mr. Barker finds this method of building up a window very successful, as one can adjust to any height or width, and there are plenty of things about the pharmacy which can be used for supporting the shelves—violet-powder tins, Wright's Coal-tar Soap boxes, etc. The wording of some of the cards is appended :

Personal Qualification.—Have you ever thought how essential it is that your druggist should be fully qualified, not only by examination, but

By Experience and carefulness? Study and examination alone are of little use unless combined with natural thoughtfulness

And Trained Carefulness

The Real Morning Tonic. A pleasant and gentle laxative. 1s. Fruit Saline.

The wording of the Vigor Tonic, Marro, Digestive Liver Mixture, and Tic and Neuralgia Cures was the same as is used on the labels of the preparations. In the case of the effervescent Hygeia Salt the stock-cards were supplied by the packers, the prices only being added by Mr. Barker.

GAZETTE.

Partnerships Dissolved.

Hewlett, J., & Weston, W. A., Sandringham Parade, Ealing, chemists, under the style of W. A. Weston & Co.

Martin, V. G., and Armstrong, F. C., Boston Street, Hulme, Manchester, mineral-water manufacturers and merchants, under the style of the Aërated Water Direct Supply Co.

Bankruptcy Acts.

Adjudications.

Howarth, G. H., Rhodes Street, Smallbridge, and Hunter's Lane, Rochdale, manufacturing veterinary chemist, trading as Howarth & Co.

Nundy, E., Garratt Lane, Wandsworth, and Robinson Road, Colliers Wood, Merton, physician and surgeon.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

A new supply of warm radio-active mineral water has been found at Buxton. The total daily outflow is nearly half-a-million gallons.

Mr. E. C. Purnell, 35 Crescent Road, Windermere, has applied to the Westmorland County Council for an agri-horticultural poison-licence.

On Wednesday the window of Messrs. Schacht, Warner & Co.'s pharmacy, 54 Fore Street, London, E.C., was demolished by a runaway horse.

The plans for alterations and improvements to the premises of Boots, Ltd., George Street and Chapel Street, Luton, have been passed by the local Town Council.

A City of London Coroner's jury stated on May 8 that proper provision for panel patients was not made in the City. Mr. Gilbert, who represented the Insurance Commissioners, said this assumption was incorrect.

London May Meetings.

Next Wednesday, May 20, is a day of annual meetings. The seventy-third annual meeting of the members of the Pharmaceutical Society is to be held at 17 Bloomsbury Square, London, W.C., at noon; the annual meeting of the Society of Chemist-Opticians at St. Bride Institute at 6.30 P.M.; the Chemists' Dental Society at the Holborn Restaurant at 3 P.M.; and that of the School of Pharmacy Past Students' Association at 17 Bloomsbury Square, W.C., at 5 P.M. Will members of the Chemists' Dental Society note the date given above for the annual meeting, as it was incorrectly given in our "Coming Events" column last week?

Window-dressing Competitions.

Boots, Ltd., obtained the award by popular vote for the best display in the class for chemists at the window-dressing competition held in connection with the Chesterfield Shopping Festival during the week ended May 2. The display was a very striking one, the Devonshire Violet specialities contrasting well with white Xylo toilet-articles.

The first prize in the chemists' class in the recent window-dressing competition at Bolton was gained by Waller & Riley, of Bradshawgate; the second by Mr. A. Morris; and the third by Mr. J. Read, Bradshawgate. In a separate competition in the outer area of the borough the awards were: (1) Mr. T. Warburton; (2) Mr. S. Haughton; (3) Knott Bros.

Photographic Exhibition.

The ninth annual Photographic Arts and Crafts Exhibition, which closes on May 16, is well worth a visit from photographic chemists. Although novelties are not numerous, the exhibitors have ample space to display their goods, enabling them to make fine exhibits. Some magnificent examples of portraiture are used to illustrate the advantages of various makes of photographic papers. "Satista" is a new platinum-silver paper by the Platinotype Co., giving prints resembling engravings. The Paget Prize Plate Co. have adapted their screen transparencies to colour-prints on silver paper. The colours are delicate, but too dark. The stand of W. Butcher & Co., in classical style, is the handsomest in the exhibition. Their four chief types of cameras are displayed in window-cases at the corners. The craze for Press photography is responsible for the vogue of reflex cameras (two new folding models being on view), and for printing tissue, which can be printed while still wet. The collection of colour transparencies and prints upstairs shows a disappointing advance on that of last year. Photographic stains are much in vogue, Burroughs Wellcome & Co. and A. & M. Zimmermann having interesting contributions to these. The former illustrate the application of "Tabloid" photographic chemicals with Mr. H. G. Ponting's Antarctic negatives, and striking photographs taken by Mr. J. W. Parker, the photographer to Sir Thomas Dewar's recent hunting expedition in Central Africa. Some fine examples of studio apparatus are shown. Osram lamps for photographic lighting, new Ross lenses, and a turbine washer are other novelties.

Contracts.

Settlement has been notified of the following contracts:

Barnsley Education Committee.—Mr. A. L. Johnson appointed chemist for the ensuing year.

Eton Urban Council.—Messrs. Drake, Lewis & Son appointed chemists for the ensuing year.

Sale of Food and Drugs Acts.

None of the ten samples of drugs referred to the City of London analyst during the five weeks ended April 18 were adulterated.

None of the samples of drugs analysed in the county of Warwickshire and at Rotherham and Southwark last quarter were adulterated.

The Sheffield analyst certified last quarter eight drug-samples as genuine, and one of sweet spirit of nitre as somewhat below B.P. requirements.

All the twelve drug-samples examined last quarter by the Bristol analyst were genuine except one of camphorated oil, taken informally, which was 25 per cent. deficient in camphor.

Guardians' Doings.

In reply to the Holywell Guardians' request for the reason of the large increase in last year's drug-bill (*C. & D.*, May 9, p. 35), the medical officer (Dr. J. Owen Jones) states that a large proportion of the total cost was for lint and dressings, etc., and that the cost of the medicine worked out at only something over a penny per bottle. Mr. J. Petrie, who raised the matter, said "he did not think a penny a bottle would do much good or harm; there could not be much in a penn'orth of stuff." The doctor's explanation was accepted.

The Amersham Guardians had before them on May 5 a letter from Mr. Ivor R. Phillips, chemist, regarding his contract for cod-liver oil. The Local Government Board also wrote for the Guardians' observations on the matter. Mr. Phillips complained that he tendered for 10 gals. of cod-liver oil and only 2 gals. had been taken by the Board. Mr. Nash (Chairman of the Contracts Committee) pointed out that the matter was quite in order, as they merely estimated approximately, and they had accepted the tender for the amount of cod-liver oil they required. It was agreed to reply to the Local Government Board stating the whole circumstances, and that if Mr. Phillips was able to prove that he had sustained any loss on the transaction the Board would reconsider the matter.

Birmingham Notes.

During the past quarter the number of offenders against the Shops Act in Birmingham was about fourteen hundred!

Anise is a comparatively rare plant in this country. It is grown at Westington, a small but beautiful village near Chipping Campden.

The Birmingham Photographic Society is holding its twenty-ninth annual exhibition at the new art galleries in New Street this week. The exhibits are very fine.

The Birmingham Pharmacists' Athletic Club has issued a fixture-list. The season began on Wednesday, May 6, with a cricket match between elevens under the captain (Mr. Holgreave) and vice-captain (Mr. Turner).

An interesting experiment is being tried at the Technical School, Suffolk Street, by a special course of three lectures on "Modern Paints and Pigments" by Mr. Charles A. Line. The lectures are given on Wednesday evenings at 7.30.

The Pharmaceutical Committee is collating facts and data concerning the Drug Fund deficit. There are considerable heartburnings among chemists, and one states that over 400*l.* is due to him, and his business is certainly not situated, happily perhaps, in areas where rents, rates, and taxes are enormous.

Sheffield Notes.

The Sheffield water during the last few weeks has been erratic in quality on several occasions, being so full of peaty

matter that it has been rendered totally unfit for dispensing-purposes. This is of interest in connection with the proposed new local Formulary, which proposes to restrict still further the use of distilled water.

The Sheffield and Ecclesall Co-operative Society have opened their new premises in Ecclesall and Cemetery Roads. The building is one of the finest in the city, having formed an arcade from one street to the other, including the covering-in of the river. Each department is conducted as a separate shop. The following prices in the drug-department may be of interest: Cod-liver oil, ½ lb. 7½*d.*, 1 lb. 1*s.* 2*d.*; Parrish's food, ½ lb. 6½*d.*, 1 lb. 1*s.*; cream of tartar, 1*s.* 4*d.* lb.; tartaric acid, 1*s.* 8*d.* lb.; senna-leaves, 1*s.* 4*d.* lb.; Angier's emulsion, 4*s.* 6*d.* size 4*s.*; all subject to the usual dividend.

From Various Courts.

At a special court at Gateshead on May 12, Henry Eagle or Igle, described as a chemist and as managing director of the Iglodine Co., was fined 5*l.*, and costs, for assaulting a bailiff in the execution of his duty. Extraordinary allegations were made against defendant.

At Westminster Police Court on May 7, a man giving his name as William Smith (35), of Barnsbury, was committed for trial on a charge of stealing a cash-box containing 4*l.* 4*s.* 3*d.* cash, two cheques, one for 5*l.* and another for 2*l.* 12*s.* 3*d.*, insurance policies, etc., from the shop of Messrs. J. Passmore & Son, chemists, King's Road, Chelsea.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Mr. W. Hopkins Ashmore, Ph.C., has been elected one of the hon. secretaries of the Dublin Citizens' Association.

Mr. James Stephen Collins, Ph.C., late of the Cork Chemical and Drug Co., has opened a business at The Square, Athenry.

Mr. John Baxter, chemist and druggist (Baxter, Ltd.), Ballymoney, has been returned unopposed as County Councillor for the Ballymoney Division of co. Antrim.

Mr. P. Liston, Ph.C., the Medical Hall, 108 O'Connell Street, Limerick, informs us that we were in error in stating that Messrs. Boileau & Boyd hold the contract for the Limerick District Asylum (*C. & D.*, May 9, p. 37), as he was declared contractor on April 8 at 25 per cent. discount off list prices. Messrs. Boileau & Boyd, Ltd., also inform us that they did not tender for this contract.

At a meeting of the staff and students of the Belfast Municipal Technical Institute on May 8, it was decided, on the motion of Mr. T. Harper, Ph.C., to appoint a sub-committee, consisting of the principal and heads of departments, to deal with the question of a memorial to the late Sir James Henderson, D.L., in recognition of his services to technical education in Belfast as Chairman of the Governing Committee of the Institute since 1900.

British Medical Association.

Medical men in Ireland have up to now been represented in collective matters by the Irish Medical Committee, which consists of delegates from the local Medical Associations in Ireland. The Council of the British Medical Association has now decided, owing to decreasing membership in Ireland, to open an office in Dublin in charge of a whole-time medical secretary. The Irish correspondent of "The Lancet" fears that the problems of Irish medical politics will not be rendered simpler by the new move of the British Medical Association.

Guardians' Doings.

The Cork Chemical and Drug Co., Cork, and Messrs. Fannin & Co., Ltd., Dublin, have been appointed contractors for the supply of drugs and surgical requisites to the Cahirciveen Union.

The Dingle Board of Guardians have accepted the tender of Messrs. Boileau & Boyd, Dublin, for the supply of medicines and surgical appliances at a rebate of 25½ and 31½ per cent. off list prices.

When the Athlone Guardians accepted recently the tender of Messrs. Boileau & Boyd, Dublin, for the supply of drugs a condition of the contract was that all orders should be executed within one week. Messrs. Boileau & Boyd have now completed their bond, but they have deleted the special clause relating to the fulfilment of orders within a week, as there was no such provision in the advertisement. Dr. Everard said it is sometimes three weeks before orders are completed, and the doctors are occasionally obliged to buy out of their own pockets drugs badly needed. If he wanted medicines he could get them from England in three days. An order was made that the Guardians adhere to the decision as expressed in the deleted clause of the contract, and if orders are not filled within a week the doctors will be authorised to purchase supplies at the contractors' expense.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Mr. J. Ritchie has taken over the chemist and druggist business at Stromness belonging to Mr. McDiarmid.

Mr. Christopher Sherry, of the Glasgow Royal Botanic Gardens, died on Monday. He was a native of Dublin.

Mr. C. B. Macfarlane, sole partner of Chas. Smith & Son, grocers and ironmongers, Ceres, is applying for an agri-horticultural poison licence.

It was intimated at a recent meeting of the Galashiels United Co-operative Society, Ltd., that the sales in the drug-shop during the past half-year amounted to 441*l.*

Mr. Chas. S. Macgregor, chemist and druggist, has taken over the business which Mr. Robert Brodie so long carried on at 253 Crown Street, Glasgow. Mr. Macgregor is continuing the business under the old name.

Mr. W. G. McDonald, chemist and druggist, proprietor of Mayor's Drug-stores, Inverness, was one of the more successful players for the Inverness golf championship, scoring 82 net, and thus advancing a stage towards the final.

Chemist's Shop Wrecked.

An extraordinary affair occurred in Cupar Fife on Friday evening, May 8. Two men, described as general dealers or hawkers, called at the shop of Bailie W. G. Robertson, chemist and druggist, Bonnygate, begging, and on being refused money one of them began sweeping the displayed goods, consisting of perfumes, toilet-articles, and packed goods, from the counter. Then lifting up various bottles which were standing about he shied them as far as the dispensing-counter. On leaving the shop the leader picked up stones from the roadway and pitched one through each of the front windows. A telephone message had been sent for the police, who arrested the men. In the Sheriff Court on the following day they pleaded guilty, and were sentenced, the one to three months with hard labour, the other for inciting to forty days' imprisonment. Bailie Robertson estimates the amount of the damage at not less than 40*l.*

Dundee.

The death is announced of John Bloomfield, herbalist, a well-known figure in the Greenmarket, Dundee, on market-days.

As a result of the city improvement scheme the laboratory of the city analyst (Mr. G. D. Macdougald, F.I.C.) has been removed from Shore Terrace to 140 Perth Road, Dundee.

One of the most successful of the open-air "doctors" is Dick Gunnell, who covers the ground from Dundee to Aberdeen. Dick had first-class dispensing experience in Ireland, and later was a commercial traveller in Scotland for some time.

The annual outing of the Dundee and East of Scotland Pharmaceutical Association is to be held at Montrose on

Victoria Day, May 20. In the forenoon there will be a golf competition, and dinner and tea will be served in the George Hotel. In the afternoon the company will have a drive by Craigo Woods and Trail Drive and inspect the aerodrome and aeroplanes.

Edinburgh.

Locums are said to be more difficult to obtain than usual.

The big shops in the vicinity of Princes Street have some fine window-shows at present.

Tuesday next, May 19, being a public holiday, most pharmacies in Edinburgh and Leith will be closed all day.

Mr. Duncan McGlashan, chemist and druggist, 12 West End Place, was on May 6 admitted a member of the Edinburgh Merchant Company.

Changes have been made in the arrangement of the classes in the medical curriculum of the Edinburgh University. The medical year will begin in future always with the winter session, and each year is to be divided into two winter terms and one summer term. Another alteration is in the order of the classes, the changes in the fourth and fifth years being somewhat drastic.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

Natal.

Unqualified Medical Practice.—At the Durban Magistrate's Court on April 18, Alfred Pinckney Greenly, of Winkle Spruit, headmaster of the Government school at Warner, was charged with contravention of the laws governing medical practice in Natal by unlawfully using the title of doctor when not licensed. His defence was that he had been called to attend a patient in urgent circumstances, the nearest doctor being six miles away; he had given a soothing mixture to an Indian woman in the last stages of consumption, and had made up medicines at a doctor's request, but in no case had he been paid, and he had not gone further than to administer first-aid. Regarding his qualifications, Greenly said he had been educated at Harrow and King's College, Cambridge. He had qualified in anatomy, botany, and materia medica, but had been prevented from adopting the medical profession. The Magistrate, in discharging Greenly with a caution, said he had committed a technical breach of the law in exercising the functions of a physician.

Transvaal.

Personal.—Mr. A. E. Adams, of Messrs. Loewenstein, Adams & Co., Ltd., Johannesburg, has left for England by mail steamer.

Stole Complexion-cream.—A Zulu labourer was sentenced to twenty-eight days' hard labour at Krugersdorp on April 8 for stealing a bottle of complexion-cream from the shop of Mr. A. J. Adcock, chemist, Ockerse Street.

Business Changes.—Messrs. Lennon, Ltd., have disposed of their Doornfontein branch to Messrs. Trehair & Co.—Mr. J. O. Thomson has purchased the business of Mr. D. Masterton, chemist and druggist, Hannan Street, Wolhater. Mr. Masterton is proceeding on a tour to Australia, New Zealand, and the Far East.

Travellers' Movements.—Mr. Gregory (representing Messrs. S. Maw, Son & Sons) is at present in Johannesburg; other travellers now at the Rand include Mr. Cassell (Yardley & Co., Ltd.), and Mr. Rogers (Bidwell, Bidwell & Co., Ltd., and Ingram & Co.), who, after a stay of several weeks in Johannesburg, left for the Coast on April 22.

"Oxygen and Cancer" is the title of an article by Mr. Lionel Cresswell in "The Nineteenth Century and After" for May. The author attributes the cause of cancer to catalytic oxygen, basing his theory on the frequency with which cancer occurs among chimney sweepers, soot in that instance being, according to Mr. Cresswell, the catalytic agent.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

Disastrous Fire.—The galenical laboratory of the Syndicat des Pharmacies Commercial de France, 17 and 19 rue de Corbillon, at St. Denis, was destroyed by fire last week, the damage done being put at about 15,000*l.*

A Perfume-manufacturer in a suburb of Paris was last week convicted of fraud on the Excise, and ordered by a Paris Police Court to pay 263 fines of 20*l.* apiece, 789 of 4*l.* each, and other penalties, the whole amount, with costs, being, roughly, 11,000*l.* sterling.

The Council of the Paris University met last week and decided to distribute 3,600*l.*, being interest of a bequest by the late M. Loutreuil for the encouragement of scientific laboratories of French Universities. The Chemical Institute of Nancy University is receiving 400*l.* for extension and enlargement, and Toulouse 800*l.* for the foundation of a similar establishment. Montpellier University will get 160*l.* for its biological laboratory, Rennes 320*l.* for the botanical and physical science laboratories, Lille, Clermont, and Grenoble are getting goodly sums for electrical equipment, and Paris 100*l.* for the herbarium of the Academy of Sciences.

Fraudulent Prescriptions.—Two young labourers called at M. Laurencin's pharmacy, rue Clignancourt, Paris, recently and presented prescriptions signed by D. Tillement for medicaments to be supplied under the Employers' Liability Act. Some months ago the pharmacist had dispensed prescriptions bearing the signature, and had failed to obtain payment from the Assurance Companies, who declared the bearers to be sharpers. M. Laurencin accordingly informed the police and had the men arrested. They confessed, on examination at the police station, that they earned 3*s.* or 4*s.* per diem by calling at pharmacies with these prescriptions. The Commissary of Police sent for Dr. Tillement, who protested his innocence. The Commissary suspected that the doctor used the medicaments obtained by the men, and Dr. Tillement will be charged with complicity.

Fees of Bygone Days.—The question of medical and pharmaceutical fees of bygone days has been studied by M. Boucheny de Grandval. During the sixteenth, seventeenth, and eighteenth centuries the Parisian doctor's fee was from 2f. to 4f. only, the shining lights of the profession claiming from 5f. to 15f. Provincial fees were much lower: 2.50f., 1.50f., even sixpence in certain regions. In 1521 "Maître Jacques," the leading doctor of Antwerp, charged 5f. per visit to the celebrated Albrecht Dürer. About the same time an Auvergnat nobleman fetched a doctor from a neighbouring town and kept him at his château for nine days. During this time he took eighteen potions, was bled twice, and required six other services. For all this he generously paid a bill of 85f. The system of graduating fees according to the patient's pocket has always existed in France. The "brave Crillon," Henry IV.'s doughty companion in arms, paid his doctor 5f. per visit. When the same medical man attended Sully, he charged 25f. The celebrated Minister of Finances was highly indignant, and declared himself "skinned alive" by such fees. Charles the Wise, on the other hand, recognised that the "labourer is worthy of his hire," and paid 200f. per extraction to his dentist with such cheerfulness as is possible at such trying moments. During the eighteenth century the "cost of living" increased, so far as medical treatment was concerned. When Louis XIV. was operated upon, the fees were worthy of the "Grand Monarque." The total was about a million and a half francs, of which more than a third went to the principal surgeon. The head physician received 330,000f. for prescribing a few potions, and Fagon (physician in ordinary) 200,000f. for administering the same, while the "assistants and apothecaries" collectively received 168,000f. Not only did Louis pay royally, but he set the fashion of operations. Every courtier thought himself afflicted with the same complaint, and the sum thus netted by the professors of the healing art was considerable.

AUSTRALASIAN NEWS.

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The Commonwealth.

Importing Ginger.—The Customs Department has issued an order which states that "when ginger (dried or otherwise) contains more than 2 per cent. of lime (calculated as calcium carbonate), the percentage of lime so contained must be set out in the trade description."

New South Wales.

Early Closing.—The report of Judge Piddington, Royal Commissioner to inquire into the working of the Industrial Acts in New South Wales, has now been issued in a bulky folio volume of over 800 pages. That part of the report relating to the earlier closing of chemists' shops was published earlier in the year. The evidence on which that report was based occupies only a comparatively small number of pages, Mr. Mitchell bringing forward witnesses in favour of six o'clock closing and Mr. Forster several in opposition, who were examined by Mr. Carroll. The Commissioner reported in favour of the hours of closing being fixed by wages boards which could take into consideration the local conditions. Mr. Carroll, in giving evidence, said it would be very fast work for a pharmacist to make up prescriptions at an average of seven minutes each. Mr. V. P. McManus, of the firm of H. A. Rose & Co., said they had been open day and night for twenty years and had never closed at any time, but have now arranged to close at 11 p.m. He mentioned that they had a special arrangement with the Post Office authorities for them to open the mail-bag to put serums in and send to distant places.

Queensland.

College of Pharmacy.—At the opening lecture of the session for the year 1914 and the distribution of prizes and certificates on March 2, at the College Rooms, Brisbane, Mr. R. C. Cowley (Director and Lecturer to the College) delivered an address on natural and synthetic tropeines and pseudo-tropeines.

South Australia.

Mr. J. H. Young, who has been for twenty-three years Secretary of the Pharmaceutical Society and Registrar of the Pharmacy Board, was presented with a gold watch, chain, and sovereign-case at a smoking-concert held in his honour at Adelaide on March 19. Mr. Young is taking a holiday of some months' duration.

Tasmania.

Optical Examination.—The first examination under the Opticians Act was held on March 14, and was available to all persons who had practised sight-testing in Tasmania for a period of three or more years. There were fifteen candidates, and eleven passed the Modified examination, entitling them to registration. Among the successful candidates were two chemists.

Victoria.

Pharmaceutical Society.—At the annual meeting held in Melbourne on March 25, it was resolved to establish a fund to provide for scholarships, research-work, or reward for special merit shown by students attending the College of Pharmacy, and that the Society contribute 5*l.* 5*s.* or upwards per annum towards the fund. There was also a discussion on early closing, and the meeting agreed with the prineiples of a Bill, prepared by the Society's solicitor, for amending the Factories and Shops Act. Mr. C. E. Fowl brought forward a motion that the Society should revert to its original name, "Pharmaceutical Society of Victoria" ("of Australasia" is the present designation), on account of the misleading charaeter of the present name. This motion was, however, rejeeted, an amendment being carried that "the question be considered this day twelvemonth."

A Kent Chemist has had an unusual experience lately, the whole of his staff was laid up with mumps, having been infected by a customer, the doctor said.

COLONIAL AND FOREIGN NEWS.

Cocaine-smuggling.—Several large seizures of cocaine have lately been made at Penang, including one of 800 oz. (valued at $16,000) contained in three cases declared as "enamelled ware," which arrived per the Hamburg-Amerika liner *Altmark* from Hamburg. The goods were addressed to Chop Soon Seng, 81 Weld Quay, who had been involved in previous cocaine-seizures.

Egypt's Foreign Trade.—During 1913 the imports rose to 26,785,000*l.* from 24,693,000*l.* in 1912; the United Kingdom increased her store from 7,985,000*l.* to 8,486,000*l.*, France coming next with 2,512,000*l.*, or 100,000*l.* more. Then follow Turkey (2,311,500*l.*), Austria Hungary (1,931,000*l.*), Germany (1,608,000*l.*), and the United States (523,500*l.*) The exports were valued at 31,267,000*l.*, as against 34,152,000*l.*, Great Britain taking 13,589,000*l.*, as against 15,964,000*l.*, and France 2,766,000*l.*, as against 2,682,000*l.* in 1912.

White-lead Conference at Brussels.—The Press recently reported that the representatives of the white-lead industry from America, England, Holland, France, Belgium, and Germany held a meeting at Brussels in order to make a stand against the white-lead prohibition, which eomes into force in France in January 1915, and against the proposed prohibition in Belgium. The "Farben-Zeitung" has, however, been informed that the meeting in question only dealt with the regulation of prices, and not with any matters relating to the protection of workmen.

Cheating a Sick-club.—Some four years ago the workmen's sick-club in Budapest discovered that the club doctor, with the connivance of several pharmacists, had defrauded the club to the extent of about 1,000*l.* He had written out some 3,000 prescriptions which were charged for by the pharmacists and paid by the club, and half the amount was handed over to the doctor, who after being arrested and released on bail fled the country. The pharmacists were in the first instance condemned to terms of imprisonment ranging from seven to twelve months, and ordered to pay fines of 40*l.* to 68*l.* On appeal the terms of imprisonment were reduced to three and two months respectively.

Colombian Platinum.—In the course of an article on the mines of Colombia, published in "The Times," it is stated that some of the richest deposits of platinum occur in the vicinity of the San Juan River and its tributaries, near Novita, and the alluvial deposits of the rivers Condoto, Apogodo, and Iro are well known. The annual export of platinum from this district was estimated by Signor Vicente Restrepo to be worth towards the end of the last century not less than 10,000*l.* value, but since then it is probable that the production has considerably increased. Nearly the whole of the platinum is either washed out of the gravels on the river banks or is obtained by women and girl divers in the above-named rivers.

Quack Doctors in Hungary.—According to the "British Medical Journal" (I., 1914, p. 940), some quacks, said to belong to Great Britain, are advertising their nostrums in the Continental Press. One "professor" has recently begun to advertise in Hungarian newspapers both his elixir for preserving and restoring youth and his power of foretelling the future from the handwriting of his victims. The popularity of British goods in the country is testified by the fact that when inquiries were made by the police at the post-offices it was discovered that during the last twelve months more than 18,000 crowns (750*l.*) had been sent to the "professor" from different parts of Hungary. Another quack advertises pills which are warranted to prevent cessation of the menses, and he, too, has received several hundreds of pounds from Hungarian women. Both these advertisements, however, are now in the hands of the police, and the Hungarian post-offices have been forbidden either to forward money orders to these firms or to deliver letters and eireulars sent out by them.

The Export Duty on vanilla ($45.18 per 100 lb.) recently imposed in Mexico has been repealed by a Presidential decree.

LEGAL REPORTS.

TRADE LAW.

Notice of Warranty.—In the case of Marcus *v.* Crook, heard by Justices Avory, Rowlatt, and Shearman on May 12, the appellant had been summoned under the Sale of Food and Drugs Acts for selling adulterated milk. Before he got the summons he put in a warranty defence, also informing the person from whom he got the milk and the warranty. Nevertheless he was convicted, the Magistrate holding that the defence of warranty was not open to him as he had not given proper notice to the vendor. Against this he appealed, and the Court decided that the Magistrate was wrong, also that no magistrate is entitled to shut out a defence of warranty in a case where notice had been given before the actual hearing of the summons. The case was remitted to the Magistrate for him to determine it on its merits and on the defence of warranty.

Herbalist Fined.—At Worcester on May 13, the Deputy-Judge (Mr. H. G. Farrant) imposed a penalty of 20*l.*, and costs (under the Apothecaries' Act, 1815), upon Charles Burden, herbalist, Bridge Street, Worcester, Hon. Secretary of the National Association of Medical Herbalists of Great Britain, Ltd., for a breach of the Act by acting and practising as an apothecary in attendance upon the late Mrs. Rosina Daniels. The evidence showed that the defendant had been consulted by Mrs. Daniels, whom he treated for about a year before her death. He treated her for tape-worms, and she passed a 4-lb. jar full. Dr. Coombs said that the *post-mortem* examination showed that death was due to Bright's disease. The defence maintained that under an Act of 1542 herbalists are allowed to treat various complaints with herbs, but the Judge held that he was bound by the decision of Mr. Justice Cresswell as to the definition of an apothecary. A stay of execution for twenty-one days was granted, the money to be paid into Court within fourteen days.

A Fire Claim.—In the King's Bench Commercial Court on May 13, Mr. Justice Bailhache and a City of London special jury commenced the hearing of an action in which Messrs. R. Hovenden & Sons, Ltd., perfumers, etc., London, claimed in respect of work and services rendered to the defendant companies in connection with the settlement of a fire claim of another firm. The defendants were the Scottish Union and National Insurance Co., the Royal Insurance Co., Ltd., the North British and Mercantile Insurance Co., and the Fine Art and General Insurance Co., Ltd. They admitted that the plaintiffs had done certain work, but denied that they did the greater part of the work claimed for. They further said that the remuneration for any work that was to be done by the plaintiffs was fixed by agreement between the parties. Sir Frederick Low, K.C., who appeared for the plaintiffs, stated that their assistance resulted in the claim for 41,000*l.* and salvage being settled for 25,000*l.* and salvage. The jury assessed the remuneration at 300 guineas. Judgment was entered accordingly on May 14, with costs.

Returned Barrels.—In the City of London Court, before Mr. Assistant Registrar Tattenshall, on May 11, the Durax Dustless Roads, Ltd., 20 Victoria Street, Westminster, sued Burt, Boulton & Haywood, Ltd., 64 Cannon Street, and Silvertown, for 4*l.* 13*s.* 6*d.* in respect of seventeen creosote-barrels which had been sent to them in error. For the defence it was said that the defendants had offered to deliver seventeen barrels in the place of those delivered by mistake, charging 3*d.* each for labour, or alternatively offered to give their value, 3*s.* per barrel. After putting the defendants to all the trouble owing to their mistake, or the mistake of their carrier, the plaintiffs sued the defendants for the price of the barrels at a much higher rate. The plaintiffs had given no evidence as to the value of the casks. The defendants had made a reasonable offer, and had paid an amount in accordance with their offer into court. The Assistant Registrar said he was afraid the evidence was too strong against the plaintiff company. He thought, after hearing the evidence, that 3*s.* was enough for the casks in question, and he held therefore that the amount in court was sufficient. Judgment for the defendants, with costs.

A Soya Beans Shipment.—On May 12 a Divisional Court of the King's Bench Division, composed of Justices Avory, Rowlatt, and Shearman, heard an appeal arising out of an arbitration between the Olympia Oil and Cake Co., Hull, and the Produce-brokers' Co. that came up in the form of a special case stated by the Appeal Committee of the Oil-seed Association, who had expressed no opinion in regard to it. It related to a contract by the Produce-brokers' Co. to ship 6,000 tons of soya beans from Manchuria to Hull. The Incorporated Oil-seed Association had printed forms of contract imposing on the sellers the obligation of delivering in this country. A right is given by the buyers to the sellers beforehand to appropriate goods to contract in accordance with Section 18 of the Sale of Goods Act. The point involved here was whether a seller could appropriate to the contract a cargo that to his knowledge was at the bottom of the sea. Here the ship in which the beans were carried sunk, and the Produce-brokers' Co. wrote to the buyers making an appropriation of that cargo to their contract. The question was, Was that a good tender? The Court reserved its judgment.

An Errand-boy's Accident.—At the Bury County Court last week, Judge Spencer Hogg had before him the question of an agreement under the Workmen's Compensation Act between Thomas Crowther Roberts, errand-boy, Ingham Street, Bury, and J. C. Croasdale, chemist and druggist, 14 and 16 Fleet Street, Bury. Mr. Chapman, for the employer, said the agreement proposed was a settlement of 175*l.*, the amount having been increased from 135*l.* The workman was a boy about twelve years of age when the accident happened about two years ago. He was errand-boy at a chemist's shop, and was letting down a trap-door when his hand was caught, and three of the fingers of his left hand had to be amputated at the second joint. Although mutilated, the boy had a fairly usable hand. He is now earning 6*s.* a week, which is 2*s.* more than at the time of the accident. Mr. Butcher, for the boy, said he was inclined to think that from some points of view the 175*l.* was not unreasonable. The physical-labour market was closed to the lad, and he is doing clerical work now. His Honour pointed out that employers have a strong prejudice against employing anyone with a mutilated hand, and decided that the matter should stand over two or three years until they saw how the lad went on and they had more facts to work upon.

Railway and Canal Commission.—Mr. Justice Bankes, the Hon. A. E. Gathorne-Hardy, and Sir James Woodhouse, in the Railway and Canal Commission Court, on May 11, delivered judgment in the application by Messrs. Chance & Hunt, chemical-manufacturers, of Wednesbury and Oldbury, in connection with litigation against the Great Western Railway Co. They claimed about 2,000*l.*, which they alleged was due to them as damages for undue preference by the railway company to trade competitors (including the United Alkali Co., of Swansea) and for rebates on siding charges, and the matter came before a Registrar, who awarded the applicants 17*l.* to cover damages over a short time in 1904. The applicants asked, among other things, that the Registrar's award should be set aside or altered, and damages awarded to cover from January 1904 until July 1908. Mr. Justice Bankes, who delivered the considered judgment of the Court, said the applicants claimed damages for undue preference as to wagon hire and overcharges for carriage from their private sidings for six years prior to the application. The Court found that the railway company had given undue preference to five or six of the applicants' competitors, and they were ordered to desist from doing that, and an inquiry was ordered as to damages sustained by the applicants. The Court now thought they they ought not to interfere with the findings of the Registrar as to the damages for undue preference. As a matter of fact, the applicants failed on all their contentions except one—viz., that of comparative distances—and they could have an inquiry as to that if they chose, and the railway company could put in the statutory defence. Judgment would be entered for the railway company on all the points on which they succeeded.

False Customs Declaration.—At the Mansion House Police Court, London, on May 8, Christo Carisfolis, a Greek merchant, residing at 15 Bayswater Road, W., was charged, on a warrant, with unlawfully making a false declaration in connection with the exportation of certain toilet-sets. Mr. Harry Myers, solicitor, on behalf of the defendant, pleaded guilty. Mr. Fitzroy, for the prosecution, said that the proceedings were taken under Section 168 of the Customs Consolidation Act, which rendered a person liable to a penalty of 100*l.* for making a false declaration in connection with a specification relating to the exportation of goods from this country. In April last year it came to the notice of the Commissioners of Excise that the defendant had in his possession a number of empty barrels and tin-lined boxes. On April 15 twenty packets were shipped by the defendant from the Royal Albert Docks by the s.s. *Chychassa* to Port Said, the specification made out being that the packages contained toilet-sets. Suspicion was aroused, and, on the arrival of the vessel at Port Said, on an examination being made, it was discovered that in slits made in the wooden staves of the barrels, which, in fact, did contain cheap toilet-sets, there were cunningly concealed packets of hashish of the total weight of 267 lb. The whole of the consignment, said Mr. Fitzroy,

was confiscated by the Egyptian Government, and the importer was fined 1,215*l.*, the importation of hashish being strictly prohibited in Egypt. Hashish is bought in this country in a 5-oz. packet for 9*s.*; in Egypt it realises from 25*s.* to 30*s.* a packet. Sir John Baddeley imposed the maximum penalty of 100*l.*, or two months' imprisonment. The money was paid.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

Alleged Passing-off.

In the Chancery Division on May 8, Mr. Micklem, K.C., moved in the action "Wm. Hill *v.* Spiers & Pond, Ltd.," for an injunction to restrain the defendants from passing off as plaintiff's ammonia certain ammonia made by the defendants. Counsel said the plaintiff was a manufacturer of ammonia carrying on business in Watson Street, Glasgow. The Hon. Frank Russell, K.C. (intervening for the defendants), said his clients had put in an affidavit, and they were willing to give an undertaking in the terms of that affidavit until the trial of the action or further order. There had been considerable correspondence between the solicitors before the motion was launched, and it was the defendants' view that the action was not necessary.

Mr. Micklem: I certainly take the opposite view.

Mr. Russell: I am willing to give an undertaking if your Lordship will reserve the question of costs.

Mr. Micklem: Then there will be an undertaking until the trial?

Mr. Russell: This matter came as a complete surprise to us, for we knew nothing of the alleged passing-off. We found that it had been done by an employé who was under notice to leave our service, and we have dismissed the manager of a department, who was directly responsible, and have done everything to stop it.

Mr. Micklem: I hope that what my learned friend says is correct. It has been going on for a long time and on a very large scale.

Mr. Russell: My friend should not say that.

His Lordship made the necessary order on the defendants' undertaking, reserving the costs to the trial of the action.

Doctor Struck off the Panel.

In the Chancery Division on May 8, before Mr. Justice Avory, Mr. Justice Rowlatt, and Mr. Justice Shearman, Mr. Neilson moved, *ex parte*, on behalf of Dr. Alfred Salter, of Storks Road, Bermondsey—a panel doctor under the National Insurance Act—for a rule *nisi* for a *mandamus* directed to the Insurance Committee of the County of London requiring them to reinsert Dr. Salter's name on the list of medical practitioners who attend patients under the National Insurance Act. The grounds of the application were that the Committee had without proper power removed Dr. Salter's name from the panel, and also had not given him the proper notice of the variation of the terms of his original agreement. Dr. Salter was one of the first persons to sign the agreement to go on the panel, the agreement was to continue in force for an indefinite time, and it was provided that the Committee could vary the terms by giving two months' notice of any such variation. In November 1913 Dr. Salter received a letter from the Clerk to the Committee, stating that "it may be desirable" to make some variation in the terms of the agreement, and on the following December 6 a letter followed, enclosing a copy of a new agreement that it was said had been approved by the Insurance Commissioners. In this agreement it was required that the doctor's prescriptions were to be ordered in duplicate, and Dr. Salter, who strongly objected to this, returned the agreement with the words "in duplicate" struck out. He declined to supply prescriptions in duplicate, but the Committee insisted, threatened to strike him off the panel, and eventually they did exclude his name from the list. Mr. Neilson contended that the Committee had failed to give the required two months' notice of the actual variation of the agreement (not of the proposed variation), also that the Committee had no power to remove Dr. Salter's name from the panel, and that he was entitled to remain there till there had been an inquiry by the Insurance Commissioners, and only by the result of such an inquiry could a doctor be removed.

The Court ordered the rule to issue.

Sale of Food and Drugs Acts.

Arsenic in Salt of Tartar.

At Burslem on May 11, Harry B. Morris, chemist and druggist, Kidsgrove, was summoned, under Section 6 of the 1875 Act, for selling salt of tartar which the public analyst (Mr. E. W. T. Jones) certified to contain 1.4 grain of arsenious oxide per lb.—*i.e.*, 200 parts per million.

Mr. E. W. H. Knight, chief inspector to the County Council of Stafford, prosecuted, and Mr. C. H. Kirby (Messrs. Neve, Beck & Kirby) defended on behalf of the Chemists' Defence Association.

Mr. Knight, in his opening, submitted that salt of tartar is a drug, and Mr. Jones, county analyst, corroborated this statement in evidence (half a pound of salt of tartar had been asked for).

In reply to Mr. Kirby, the public analyst expressed the view that everything appearing in the Pharmacopœia is a drug, and he said the same as to sherry, washing-soda, and carbonate of soda if sold by a chemist.

Mr. Kirby said the defence was threefold—first of all, that the article sold was not a drug, and, of course, not an article of food; secondly, that even if it was a drug the quantity of arsenic which it contained was so small as not to be to the prejudice of the purchaser; in the third place, they relied on the warranty contained in the price-list of the wholesale house. These points he elaborated, and then called evidence.

Dr. Reginald Alcock expressed the view that the quantity of arsenic present would not be harmful to a person if taken as a drug; and Dr. J. Steel (Kidsgrove) gave similar evidence.

Defendant said he stocked both the pure and the commercial salt of tartar. When he was asked for so large a quantity as half a pound, he assumed it was for domestic purposes, and served the commercial quality.

Mr. T. G. Cornwell, Mr. T. Charles, and Mr. William Johnston (all pharmacists) gave similar evidence.

The Stipendiary Magistrate (Mr. Bertram C. Brough) said he had come to the conclusion that the article was purchased as a drug. As to whether the adulteration was to the prejudice of the purchaser he did not think it was necessary, to support a conviction, to find as a fact that the quantity of arsenic present was such as to make the substance poisonous or expressly harmful to health. In his opinion, the unexplained presence of this quantity of arsenic was sufficient to make the sale to the prejudice of the purchaser and make the article not of the substance, nature, and quality demanded. He considered the so-called warranty in the price-list ("Chemicals both pure and commercial are purchased from manufacturers who specialise in each particular class, and we guarantee them to be the finest procurable") amounted merely to puffing the articles sold, and was not a sufficient warranty for the purposes of the statute. A fine of 2*l.*, with costs, was imposed.

Frederick Forster Graham, chemist and druggist, of Smallthorne, and Donald Torrence, his assistant, were charged with a similar offence, the adulteration in this case being certified by the county analyst to be equal to 7.28 grains per lb. William Halliwell, the inspector who purchased the sample, said in the last case he paid 8*d.* for half a pound. In this case he paid 4*d.* Mr. J. E. Moxon, who defended, urged that the difference in price was evidence that the commercial quality was sold. The inspector said he visited two shops before calling at defendant's. At one place he paid 3*d.* for half a pound, and was told it was the commercial quality. This sample contained the least proportion of arsenious oxide. A fine of 2*l.*, and costs, was imposed on Mr. Graham, and the case against the assistant was withdrawn on payment of costs. The Stipendiary said he thought it was unsafe for chemists to sell the commercial quality without specifying either verbally or by label the character of the article.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

Alexander Smith, Ltd. (P.C.).—Capital 500*l.*, in 10*l.* shares. Objects: To take over the business of Alexander Smith, crucible-manufacturers, potters, etc. The first directors are H. Davison and L. C. Harvey.

Madam Courtenay, Ltd. (P.C.).—Capital 500*l.* Objects: To carry on the business of manufacturing or retailing chemists and druggists. P. Sayers is the first secretary. R.O., 8 and 9 Sherwood Street, Piccadilly Circus, London, W.

John Sully & Co., Ltd., 83 Forest Street, Forest Gate, E. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers and exporters of and dealers in sanitary, dustless sweeping, and other powders and fluids, sanitary engineers, etc.

Essams, Chemists, Ltd. (P.C.).—Capital 300*l.*, in 5*l.* shares. Objects: To carry on the business of chemists, druggists, drug-store proprietors, etc. The first directors are E. I. Essam, H. Hebden, and A. H. Eastwood. R.O., Bank Pharmacy, Luddendenfoot, Yorks.

Mousme Co., Ltd. (P.C.).—Capital 500*l.* Objects: To carry on the business of manufacturers of and dealers in toilet and medical requisites, dealers in treatments, lotions, washes, preparations, and perfumes, etc. The first directors are C. M. Castle, F. E. Thompson, and J. R. O'Hea. R.O., 4 Bishopsgate, London, E.C.

Karina Face-powder Syndicate, Ltd. (P.C.).—Capital 1,000*l.*, in 5*s.* shares. Objects: To carry on the business of manufacturers of chemical and toilet preparations, etc., and to adopt an agreement with T. N. Atkinson. The first directors are C. J. Jannssen, T. N. Atkinson, H. Kinsley, G. R. Philpot, and Colonel C. F. Grantham. R.O., 12 Market Place, Oxford Circus, London, W.

Company News.

Ovolfo Drug Co., Ltd.—A notice of the appointment of C. R. Beeby, 66 Basinghall Street, E.C., as receiver or manager on April 30, has been filed at Somerset House.

Brunner, Mond & Co., Ltd.—The directors have declared a dividend on the ordinary shares for the half-year ended March 31 at the rate of 30 per cent. per annum, making 27½ per cent., less tax, for the past year, while a sum of 110,900*l.* is carried forward.

A. & F. Pears, Ltd.—Sir Thomas R. Dewar, J.P., D.L., has been appointed Chairman of this company in succession to the late Mr. Thomas J. Barratt. Sir Thomas Dewar is a native of Perth, and a managing director of John Dewar & Sons, Ltd., distillers there. He introduced Dewar's whisky into London, and his original advertising methods made it go. He was Sheriff of London in 1897-98, and member of Parliament for St. George's, Tower Hamlets, for six years until 1906. He has travelled widely, and was Vice-Chairman to Mr. Barratt.

"Sanitas" Co., Ltd.—The report for the year ended March 31, 1914, to be presented at the meeting on May 19, states that the balance to credit of profit-and-loss account, after charging all outgoings, including advertising, making provision for bad and doubtful debts, and adding the balance brought forward, amounts to 18,827*l.* From this sum 3,484*l.* has been paid as interim dividend, leaving, after payment of income-tax and directors' fees, a balance of 13,725*l.* to be dealt with. The directors recommend a final dividend of 5 per cent. (making, with the interim dividend already paid, a total distribution of 7½ per cent. for the year), to place to reserve 3,000*l.*, to contingency account 1,000*l.*, and to carry forward 2,756*l.*

W. J. Bush & Co., Ltd.—The report for the year ended December 31, 1913, shows a gross profit of 142,053*l.*, the net profit, after providing debenture interest, expenses, directors' fees, etc., being 40,621*l.*, which, with the amount brought forward, makes a total of 65,488*l.* After deducting the amount required for dividends on the preference shares there remains a balance of 59,238*l.* The directors propose to transfer to general reserve fund 15,000*l.*, to pay a final dividend of 8 per cent. on the ordinary shares, making 12 per cent. for the year, 15,000*l.*, and to carry forward 29,238*l.* The agreement between this company and W. J. Bush & Co., Incorporated, of America, approved by the shareholders at the last annual meeting, has been duly carried into effect. The buildings and plant at Ash Grove, Hackney, and elsewhere have been fully maintained. Mr. Charles Sansom Taylor retires, and, being eligible, offers himself for re-election as a director.

Companies in Belgium.—The new Act dealing with commercial companies in Belgium, which came into force last year, recognises six types of trading companies, namely: (1) Companies under collective title; (2) companies *en commandite*; (3) limited-liability companies; (4) companies *en commandite* limited by shares; (5) co-operative societies; and (6) credit unions. The reforms introduced by the new Act, however, chiefly affect limited-liability companies, and as regards their constitution the Act lays down that at least one-fifth, instead of one-tenth as hitherto, of each share must be paid in cash before the company can be recognised. With the object of eliminating abuses which have from time to time been revealed in the promotion of limited companies, particularly with regard to the inflated valuation of the assets contributed, the Act provides that the deed of constitution must, in the case of all contributed assets which are not contributions in cash, specify the conditions upon which each asset is transferred to the company, and the name of the person who transfers it, as well as all transfers of which any real estate contributed has been the subject within the five preceding years, with particulars of these transfers and of all existing mortgages upon such real estate. An additional safeguard is introduced in the case of assets paid for in shares, in the provision that such shares shall not be negotiable until ten days after the publication of the second balance-sheet of the company. It is also provided that the offer for sales of shares or securities of any kind must be announced in the official "Gazette," along with certain particulars about the financial position of the company.

German Chemical Companies.—The Farbenfabriken, formerly Friedr. Bayer & Co., in Leverkusen, has decided to raise its capital by 900,000*l.* to 2,700,000*l.* This increase is designed to cover the cost of erecting the necessary works for exploiting the discovery made by Dr. Haber, director of the Emperor William Institute for Physical Chemistry, whereby hydrogen and nitrogen can be directly combined to form ammonia. The new works will be capable of producing annually 130,000 tons of ammonium sulphate.—The Colour-works, formerly Meister, Lucius & Brüning, in Hoechst, propose increasing their capital by 700,000*l.* to a total of 2,500,000*l.*; while the Aktien-Gesellschaft für Anilinfabrikation in Berlin will raise its capital by 290,000*l.* to 990,000*l.*—The following are further trading results reported by the leading German chemical-factories for the past year: The Bayer Co. in Elberfeld realised a net profit of 838,092*l.* (against 813,348*l.* in 1912), out of which a dividend of 28 per cent. will be paid, as in the preceding year. The Badische Anilin- und Sodafabrik in Ludwigshafen will pay again 28 per cent. dividend. The net profits amounted to 860,000*l.*, against 848,000*l.* in 1912. The Aktien-Gesellschaft für Anilinfabrikation in Berlin reports a profit of 262,015*l.* (263,462*l.* in 1912); the same dividend—viz., 23 per cent.—will be paid. The Colour-works, formerly Meister, Lucius & Brüning in Hoechst, realised a profit of 819,170*l.*, compared with 930,395*l.* in 1912. The same dividend—30 per cent.—will again be paid. The Chemical Factory Griesheim-Elektron will again pay 14 per cent. out of profits totalling 217,235*l.* (207,500*l.* in 1912).

Middleton Bros. (Wakefield), Ltd., wholesale druggists, Wakefield.—Pursuant to the provisions of the Companies (Consolidation) Act, 1908, the creditors interested herein met in Liverpool on May 7, when a statement of affairs was presented showing liabilities 853*l.* 15*s.* 11*d.* and assets 705*l.* 12*s.* 9*d.* net, the estate showing a deficiency of 148*l.* 3*s.* 2*d.* The assets comprised cash in hand 2*l.* 13*s.* 2*d.*, stock-in-trade 382*l.*, trade fittings 230*l.*, and book-debts estimated to produce 127*l.* 19*s.* 7*d.* There were also preferential claims for 37*l.* It was reported that the company was registered in July 1912 with a nominal capital of 5,000*l.*, in 3,500 ordinary shares and 1,500 preference shares, of which 1,660 fully paid shares were taken up. The business was originally conducted from the premises at Cheapside, Wakefield, and ultimately shops were taken at Normanton, Knottingley, and Askern, the Cheapside concern being disposed of. The first year's trading showed a loss of 852*l.* odd on sales aggregating 3,184*l.* The directors' drawings had been at the rate of 107*l.* each, but latterly, owing to the takings being so small, they had not taken anything in the way of wages. In the result it was decided to confirm the appointment of Mr. Shaw as liquidator, with a committee of inspection consisting of Mr. Hirst (Hirst, Brooke & Hirst, Leeds) and Mr. Parkin S. Booth. The following are creditors: Hirst, Brooke & Hirst, Ltd. (175*l.*); Baiss Bros. & Stevenson, Ltd. (5*l.*); Brooke, Parker & Co., Ltd. (7*l.*); Baird & Tatlock (6*l.*); Coleman & Co., Ltd. (3*l.*); Erasmie, Ltd. (4*l.*); Fassett & Johnson, Ltd. (6*l.*); Southall Bros. & Barclay, Ltd. (8*l.*); Ayrton, Saunders & Co., Ltd. (8*l.*); Wigglesworth & Co. (8*l.*); J. Quilliam & Co., Ltd. (7*l.*); Wyleys, Ltd. (3*l.*); Vinolia Co., Ltd. (4*l.*); A. H. Cox & Co., Ltd. (4*l.*).

BIRTHS.

Authenticated notices are inserted without charge.

COLE.—At Belturbet, co. Cavan, on April 29, the wife of J. J. Cole, Ph.C., of a daughter.

EVANS.—At 6 Milsom Street, Bath, on May 4, the wife of David A. Evans (Steele & Marsh), of a daughter.

LEADBETTER.—At Balanacraig, Lochgelly, on May 2, the wife of D. A. B. Leadbetter, chemist and druggist, of a son.

MCCARTNEY.—At Adelaide Avenue, Coleraine, on May 10, the wife of R. F. McCartney, Ph.C., of a son.

SIVEWRIGHT.—At 72 Comiston Road, Edinburgh, on May 7, the wife of James Sivewright, chemist and druggist, of a daughter.

WILLIAMS.—At 22 Steade Road, Sheffield, on May 6, the wife of H. G. Williams, pharmacist, of a daughter.

MARRIAGES.

Authenticated notices are inserted without charge.

HETHERINGTON—WHITBREAD.—At Johannesburg, on April 12, Hector M. Hetherington, chemist and druggist, Bree Street, Johannesburg, to Daisy Whitbread, of Johannesburg.

WALKER—DONALD.—At Glasgow, by the Rev. Dr. Smith, Partick Parish Church, on May 8, James M. Walker, chemist and druggist, Glasgow, to Minnie, fourth daughter of Mr. George Donald, Cluny, Aberdeenshire.

DEATHS.

Authenticated notices are inserted without charge.

ATKINS.—At Southampton, on May 4, Mr. Ernest Atkins, chemist and druggist, aged sixty-one. Mr. Atkins had for many years been manager of Messrs. Boots' branch at London Road, Southampton. He served his apprenticeship with Mr. Harry Hunt, chemist, Southampton, and afterwards was an assistant with Messrs. Randall & Son, subsequently being the dispenser at the Royal South Hants Hospital for some years; then he commenced business on his own account in London Road. This business was taken over by Day's Drug Co., Mr. Atkins being retained as manager, and he continued in that position when Boots Cash Chemists (Southern), Ltd., took over the Day company's interests. Mr. Atkins was well known and well liked locally.

GORDON.—At 40 Barnton Street, Stirling, on May 11, Mr. John Alexander Gordon, chemist and druggist, who passed the Minor examination twenty years ago.

TOMLINSON.—At Larkfield Gardens, Rawdon, on May 10, Mr. Henry Tomlinson, director of Messrs. W. B. Cartwright, Ltd., aged sixty-eight.

WILLS PROVEN.

MR. JOHN FIDLER, chemist and druggist, 183 Mill Street, Liverpool, who died on March 24, left estate valued at 772*l.* 6*s.* 9*d.* gross, with net personalty 5,521*l.* 11*s.* 10*d.*

MR. CHRISTOPHER BEDFORD, chemist and druggist, Hillside, Church Gate, Cheshunt, who died on April 10, left estate valued at 911*l.* 5*s.* 1*d.* gross, with net personalty 5*l.* 7*s.* 2*d.*

MR. JOHN MARSHALL PARKER, chemist and druggist, Market Weighton, who died on March 12, left estate valued at 313*l.* 3*s.* 6*d.* gross, with net personalty 1,291*l.* 18*s.* 10*d.* Probate of his will has been granted to his widow, Mrs. Mary Ann Parker, and Mr. R. S. Donington, Ph.C., Spalding.

MR. JAMES BRETT GUYER, Ph.C., Wrentham, Torquay, who died on April 6, left estate of the gross value of 2347*l.* 16*s.* 7*d.*, of which 1,643*l.* 2*s.* is net personalty. Probate of his will has been granted to his son and daughter, Mr. Richard Glode Guyer, Ph.C., and Miss Mary Guyer.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. F. HOLMES, Ph.C., late Woodhouse Lane, Leeds, is now lying seriously ill in the Leeds City Infirmary.

ALDERMAN G. WOODHOUSE, chemist and druggist, Bull Ring, Ludlow, has been appointed a Municipal Charity Trustee.

MR. WILFRED SIMPSON, pharmacist, King's Road, Harrogate, was, on May 8, initiated into Freemasonry in the Harrogate Klaro Lodge, No. 1001.

MR. EDWARD WILLIAM FAIR, who has gained this year's Pereira medal, is the first Fairchild scholar who has received this award. Mr. Fair is a native of East Linton, near Edinburgh, and served his apprenticeship with Mr. A. S. Stewart, Ph.C., there. Afterwards he was with Mr. A. Walker, Trinity, and while with him in 1908 he gained the Fairchild scholarship. He had been attending Mr. W. B. Cowie's evening classes in Edinburgh, and is the second of Mr. Cowie's pupils to be Pereira medallist, the other, Mr. B. M. Brander, having obtained it in 1911. Mr. Fair passed the Minor examination in January 1909. He had latterly been in Grantstown, Berwickshire, but came up to the Square for the Major course last October, and took certificates of honour in all the subjects, passing the Major examination last month. He has accepted an appointment as analytical chemist with Messrs. Caleys, of Norwich.



MR. E. W. FAIR.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MASONS, STORE CHEMISTS, LTD., Baxtergate, Whitby, have decided to remove to larger premises at No. 61 in the same thoroughfare.

MR. DAVID W. GIDDINGS, chemist and druggist, has opened a high-class pharmacy in the old-world village of Lower Heysham, near Morecambe.

MR. J. E. WORMALD, chemist-optician, is transferring the business he has acquired from Mr. W. R. Black at 14 Southgate, Halifax, to 99 Northgate, Halifax.

MR. H. SYKES, chemist, Mold Green, Huddersfield, has taken his son, Mr. Richard Sykes, pharmacist, into partnership. They will trade in future as Henry Sykes & Son.

MR. T. FREEMAN, pharmacist, 57 Mansfield Road, Nottingham, has disposed of his business to Messrs. Cragg & Shepherd, of Arkwright Street and Woodborough Road, Nottingham.

THE old-established pharmacy in High Street, Wetherby, which has been conducted for the past forty years by Mr. J. Jackson, Ph.C., has been transferred to Mr. C. H. Milburn, chemist-optician, of Leeds.

MR. HAROLD PETERS, pharmacist, has taken over the business of Mr. F. Hazlitt, chemist and druggist, 55 Market Street, Heywood, Lancs. The wine-licence attached to the premises has been transferred to Mr. Peters.

BOOTS, LTD., Warrington, have removed into their new Bridge Street shop, which is at the corner of Sankey Street. It makes a fine building, adjoining Holy Trinity Church. The interior is nicely arranged. A balcony running round the shop is used for the stationery department.

TRADE NOTES.

Versatile P.O.P.—Ilford, Ltd., Ilford, have issued a brand of printing-out paper under the name of Versatile. It is to be sold through the agents who have been selling the Versatile plates on the system established a few years ago.

"Gehe's Codex."—The second edition of the "Codex" issued by Gehe & Co. A.-G., Dresden, is a thick volume containing 638 pages. It is an alphabetical list of new remedies, cosmetic preparations, and technical products, with particulars of the composition, uses, and doses of each article. This edition contains about 17,000 references, and is probably the most complete collection of its kind. It is in German, and a bound copy costs 7 marks.

Corks.—Messrs. Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, who are making a special offer of stock and sample boxes of corks, have sent us specimens of these corks. The large box contains five sizes of corks, fifteen gross in all, the prices of each size varying from 6*d.* to 1*s.* a gross. These are sizes ordinarily required in dispensing, and the corks are all good value for the money. It will be noted that the special offer referred to in the advertisement is for June only for home trade, and for August and September for abroad. The smaller sample case (supplied for 2*s.* 6*d.*) contains eighteen different sizes, from the corks for 1-dr. vials to those for gallon jars. This system of supplying useful samples simplifies the cork problem, as possessors of the sample cases can readily verify the size, quality, and value of the corks.

Hall's Wine Window-displays.—Messrs. Stephen Smith & Co., Ltd., have completed the adjudication of the photographs of window-displays arranged for the competition which they inaugurated last autumn, and about 700 prizes have been awarded. The first (fifty guineas) goes to Mr. John Williams, 250 City Road, Roath, Cardiff, who made a lighthouse out of the wine cartons, with "Hall's Wine" as the beacon lights, and such Dreadnoughts as *Health* and *Happiness* in the haven behind. The second prize (thirty guineas) goes to Messrs. W. Dobbin & Co., Ltd., 45/47 North Street, Belfast, who also had a seascape window, the prominent mottoes being "Wireless message for help—here it comes by monoplane," and "Marconi has saved hundreds of lives. Yes! but Hall's Wine has saved thousands." The third prize (twenty guineas) was won by Mr. E. Lambert, 71 Abbeville Road, Clapham, S.W. Fourteen other retailers have received 10*l.* each and nearly 700 a guinea each.

"Riedel's Mentor, 1914."—The J. D. Riedel Co., manufacturing chemists, 13 and 14 Walbrook, London, E.C., send us a copy of the 1914 edition of the "Mentor" produced by the Berlin house. The work, which is in German, is divided into four parts. The first deals with research-work undertaken in the firm's laboratory, the subjects dealt with including colloidal vanadic acid, sulpho-salicylic acid and its hexamethylenetetramin salts, copaiba tests, physical tests of official vegetable drugs, testing malt extract, assay of galenical liquid iron preparations, and the manufacture of gelatin capsules. The second section deals with the therapeutics of recent medicaments, and Section 3 is a dictionary of new remedies and technical products. The last-named section contains hundreds of references, each item having after it an indication of the composition and uses of the article referred to. A list of Riedel's specialities occupies the fourth section, and there is a folding table attached to the back cover, which gives the sp. gr. of the liquids official in the German Pharmacopœia for all temperatures between 11° and 30° C. The book contains 467 pages.

Brush Fibres.—We referred some time ago to the scarcity and increased value of Mexican fibre used for making nail-brushes and the like (*C. & D.*, March 14, p. 114). The British Brush Manufacturers' Association has issued a circular on the subject, in the course of which the following occurs:

"With the exception of the few brushes made of cocoa-fibre, the majority of scrubbing-brushes, of cheap broom-heads, cheap painting-brushes, whitewash-brushes, nail-brushes, stable-brushes, and in a lesser degree cheap shoe and stove brushes, with many other kinds, are composed entirely or in part of Mexican fibre. The stock of fibre held in this country is small, and what there is is obtaining very high prices, averaging 50 per cent. above the normal, and it seems probable that before long there will be an absolute dearth of the material. To extend the duration of their stocks, and to modify the necessary advance in prices, manufacturers are, where possible, introducing mixtures containing a proportion of cocoa-fibre, and it is hoped that dealers will assist the trade by accepting scrubbing-brushes, etc., made of such unions, and will bring to the notice of their customers brushes made with cocoa-fibre in place of those made of white and grey fibres, which are now unobtainable. It is felt that co-operation between the dealer and the manufacturer in this direction will help to lessen the inevitable trouble caused by present conditions."

POISONING FATALITIES.

Seventeen deaths following the administration of poisons have been recorded during the past fortnight:

Carbolic Acid killed Catherine Coyle, the wife of a Hamilton miner.

Disinfectant.—At the inquiry held at St. Pancras into the death of Edward Osborne Smith (49), kitchen porter, Arthur Harvey, a waiter's boy at Palmerston Restaurant, London, E.C., said that once a fortnight they used disinfectant for cleaning purposes. He had a third of a glassful, which he intended to throw on some sawdust, when deceased entered the pantry, and, thinking it was milk, said, "Don't waste that milk," and began to drink it. Witness snatched it from his mouth, saying it was poison. Witness then threw the remainder in the sawdust. Directly after that deceased said that the "milk" was good, and seemed to think it was a joke. Dr. Muir Gibson, house surgeon of the London Temperance Hospital, said that the disinfectant (Jeyes') was a compound of coal-tar. Death was due to peritonitis due to the rupture of an ulcer in the stomach; the rupture followed the swallowing of an irritant. The secretary of Jeyes' Sanitary Compounds Co., Ltd., explained that the preparation of the fluid was not poisonous; that was clearly shown by it being used not only for external purposes, but internally. A verdict of "Death by misadventure" was returned.

Laudanum.—An open verdict was returned at the inquest at Manchester on Ann Taylor, who died from the effects of this poison.—George Charles Disay (35), tramcar conductor, Wallasey, committed suicide by taking this opiate.—At Corstorphine an unknown man was found dead with several empty phials that had contained laudanum by his side.

Mercury Perchloride was the suicidal agent used by Wm. John Conway (65), hairdresser, of Sydenham.

Morphine.—Mary Cumming (57), widow, Paddington, who was addicted to the drug-habit, died from heart-failure accelerated by morphine-poisoning and alcoholism.

Oxalic-acid poisoning was responsible for the accidental deaths of Florence Sharp (46), helmet maker, Woodsmoor, Stockport, and Martha Davies (38), of Rudry, being in the form of salt of lemon in the latter case. In both instances the poison was mistaken for salts.—Elizabeth Adams (44), Southport; Edith Jordan, contractor's wife, Newport (Mon.); and Walter Jones (53), Barnsbury, poisoned themselves with oxalic acid.—Janet Garner killed herself at Croydon with salt of lemon.

Paraldehyde.—Frank Kirk (42), Edinburgh, was found dead in bed. Deceased was addicted to taking paraldehyde, and two empty phials, which had contained the drug, were found in his room.

Strychnine.—At the resumed inquest on May 5 on James Albert Sykes (18), apprentice to Mr. Taylor, chemist, Booth Town, Halifax (*C. & D.*, April 18, p. 36), Mr. F. W. Richardson, the West Riding analyst, deposed that the stomach contained strychnine, but he did not think there could have been more than a quarter of a grain. Dr. Ingham, in his evidence, said that, considering the analyst's report and the symptoms he had observed, he thought the cause of death was asphyxia, produced by convulsions, due to strychnine-poisoning. He was of opinion that the deceased had only a small dose, and probably had taken it within an hour of the time the symptoms began, and that would be after he had left the shop. Witness asked him if he had taken anything, and he replied that he had had a dose of health-salts. A verdict was returned of death from strychnine-poisoning, the evidence not being sufficient to enable the jury to say how it was administered.—Strychnine in the form of vermin-killer caused the self-inflicted death of Elizabeth Steed, the wife of a Bournemouth cab proprietor.

Veronal, in accidental overdose, ended the life of Percy Arthur Hurst (34), furniture salesman, Lambeth.

PHARMACEUTICAL SOCIETY OF IRELAND.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on May 6. Mr. D. M. Watson (President of the Society) presided. The following members of the Council were also present: Messrs. Thos. Batt, G. D. Beggs, R. Blair, J. H. Bowden, Wm. J. Hardy, Wm. Jamison, James Michie, John Smith, and W. F. Wells.

Changes of Address.

Mr. Arthur T. Ferrall (Registrar) submitted communications from the following notifying changes of address: Mr. J. W. Dickson, Ph.C., to Pettigo, co. Donegal; and Mr. T. J. Maye, Ph.C., from Malta to c/o Messrs. H. Roberts & Co., chemists, 417, 418 Corso Umberto, Rome.

Preliminary Registration

Mr. Patrick Simon Marshall, who submitted a certificate from another body, was admitted to Preliminary registration.

Certificate of Death.

The Registrar submitted a certificate of the death of Mr. John Frederick O'Neill, Ph.C., Ennistymon, co. Clare.

Royal College of Surgeons.

The President proposed, and Mr. Wells seconded, the following resolution, which was unanimously passed:

"That the Royal College of Surgeons in Ireland, Dublin, be added to the list of schools recognised in respect to courses of theoretical chemistry."

Sealing of Pharmaceutical Licences.

On the motion of Mr. W. J. Hardy, seconded by Mr. James Michie, the Pharmaceutical licences of the following persons were sealed: Alice Mary Counihan, Samuel John Hudson, James Joseph McHenry, William Rocke Browne, Archibald Going Cooke, Alfred Ernest Ferris, Michael Howard, Thomas Johnston, Constantine Maguire, Robert Gordon McKinstry, and Patrick Joseph Rowan.

Election of Examiner.

On the motion of Mr. Wells, seconded by Mr. Smith, Dr. W. V. Johnston, M.P.S.I., was re-elected as examiner for the Practical Pharmacy division of the Pharmaceutical Licence examination.

Reports were received from the following, and adopted: The examiners upon the Preliminary, Pharmaceutical Licence, Pharmaceutical Assistant, and Registered Druggist examinations; the Law Committee; the House Committee; and from the Registrar as to the deaths of Mr. John Gorman, Ph.C., Bridge House, Bangor, co. Down, and Mr. John McLoughlin, chemist and druggist, Carrigallen.

Royal Society Soirée.

THE first conversazione of the season was held at Burlington House, Piccadilly, London, W., on May 13, and was again distinguished by a large attendance of men famous in the various sections of science. For their entertainment a good display of scientific novelties had been arranged in the various rooms of the Society. In the meeting-room demonstrations were given during the evening by Professor J. P. Hill, who dealt with the Percy Sladen expedition to Brazil, and by M. P. Schilowsky, who showed the application of gyroscopes to locomotion on land and sea and in air. The last-named lecturer has devised a handy form of gyroscope for school-demonstration purposes. There was another exhibition of gyroscopes in the office by Mr. J. G. Gray, showing many applications of the gyroscope. Mr. Louis Brennan exhibited here his iridoscope for showing the interference colours of a flat soap-film by reflected light. Near by was Professor Hill's calcometer, which is designed to measure the degree of comfort in a room. Round the walls of the reception-room were photographs by Dr. Vaughan Cornish, illustrating landslides and upheavals on the Panama Canal. The Meteorological Office showed, among other exhibits, barometers with the millebar graduations which are now used in official weather reports. Mr. S. Cowper Coles had a good exhibit of articles upon which lead had been electrically deposited. These showed that much experimental work has been done to find out the effects of varying temperature and current and the influence of organic salts. Mr. Emil Hatschek had a pretty exhibit of products of gel reactions. Dr. Rosenhain showed the effect of a new reagent, consisting of an acid solution of ferric chloride and small proportions of chlorides of copper and tin, on steel for microscopic examination. A process of electro-chemical substitution maps out the component parts of the steel much better than such a reagent as picric acid. Mr. C. V. Boys showed a blower for forming very large soap-bubbles. Mr. F. W. Aston had a delicate micro-balance for determining the density of small quantities of gases. Its sensitiveness was stated as being up to a millionth of a milligram. The Silica Syndicate, Ltd., showed new developments in quartz-glass, especially in the direction of obtaining airtight seals between quartz-glass and metal. An interesting exhibit was that of Chance Bros. & Co., Ltd., of the various special glasses devised by Sir William Crookes. The glasses have been devised for (1) the absorption of heat rays, (2) the absorption of ultra-violet rays, and (3) the reduction of glare. The practical application of the glasses is of great optical importance. Spectacles made with the first variety of glass—a pale greenish-blue glass—when worn by glass-blowers will probably prevent glass-workers' cataract. The second glass, which has a slight purplish tint, will be useful in art and other museums as a glazing for the windows to cut out ultra-violet rays, which are the principal cause of the fading of colours. Spectacles made of the last variety are an improvement on the ordinary smoke-glass, and are of such a light tint that the colour of objects is scarcely altered. In reply to inquiries, we find that the application of these glasses has reached the commercial stage, and we saw some lenses of the second variety which are very comfortable to wear in the light of arc-lamps or that given by gas-mantles. There were many other exhibits of general scientific interest.

Birmingham Drugs.

In his annual report the Birmingham city analyst (Mr. J. F. Liverseege, F.I.C., Ph.C.) says that "Forty-one samples of medicine were included in the 4,770 samples submitted for analysis last year. These had been dispensed according to five different medical prescriptions, and eight of them were not of the correct composition. The analyst's remarks include the following:

A medical prescription ordering 4 dr. of iodide of potassium in 8 oz. of peppermint-water was dispensed at eighteen shops. One sample was practically correctly dispensed, but was labelled "The Mixture as recipe," which was an undesirable way of labelling a mixture containing a strong drug like potassium iodide. In three cases serious errors were made. One sample contained 155 grains per 8-oz. bottle of potassium iodide, instead of 240 grains which were ordered. This prescription was made up at an oil, drug, and colour stores, and there was no label on the bottle. When the prescription was dispensed the owner of the business was seriously ill, and subsequently died. The manager who made up the prescription was cautioned. Another sample contained 218 grains of iodide of potassium per 8-oz. bottle. The bottle actually used for the medicine contained rather less than 8 oz., and so the deficiency was not due to the dispenser using too large a bottle and filling it up with water. The vendor was cautioned. The third sample was not in accordance with the prescription, and contained 205 grains of potassium iodide per 8-oz. bottle, and the vendor was prosecuted, and fined 1/., and 9s. costs.

With regard to a prescription which ordered 4 dr. of quinine sulphate with 4 dr. of diluted sulphuric acid, to be made up with water to 6 oz., some pharmacists declined to dispense it without further authority from the medical man, as the prescription ordered the maximum dose of quinine sulphate. Several others gave verbal warning that the dose must not be exceeded, and one careful pharmacist attached a printed label to the bottle stating

that "a graduated glass measure must be used to ensure the correct dose." Four of the ten samples were incorrectly dispensed.

The single sample of salicylate mixture was dispensed under the National Health Insurance Act. The local Pharmacopœia requires this mixture to contain 2 dr. of sodium salicylate and 4 dr. of sodium bicarbonate in 8 oz. of infusion of cascarilla. The prescription ordered this mixture to be made double strength. The prescriber probably overlooked the fact that such a mixture will not contain enough water to dissolve the salts, and that a large sediment would be present. The bottle of medicine received was quite clear, and had a "Shake the bottle" label on it. It contained 40 per cent. of the quantity of sodium salicylate ordered, and 21 per cent. of the quantity of sodium bicarbonate, and chloroform was present, which was not ordered by the prescription.

The other prescriptions related to mercury-perchloride tablets of "practically correct weight" and acid opium mixture of correct composition. Twenty samples of ointments were analysed and found to be of the correct composition.

WESTMINSTER WISDOM.

The Week in Parliament.

Sale of Intoxicating Liquors on Sunday.

Mr. Ferens' Bill (*C. & D.*, May 9, p. 44) was defeated on May 8, but the Bishop of London's similar Bill in the House of Lords has been read a second time.

Food and Drugs Bill.

The President of the Local Government Board (Mr. Samuel) announced in the House of Commons on Monday that it is not possible to ask Parliament to legislate this Session on the subject of food and drugs.

Herbalists and the Insurance Act.

Replying to Mr. Brassey on Tuesday as to insured persons getting treatment from herbalists, Mr. Wedgwood Benn repeated previous answers to the effect that this is a matter for the discretion of Insurance Committees.

Amending the Insurance Act.

The Chancellor of the Exchequer announced on Tuesday that it is not the intention of the Government to introduce the amending Insurance Act dealing with deposit contributors and other matters before the Whitsuntide recess.

Exchequer Receipts.

The Chancellor of the Exchequer announced on Tuesday that the estimated Exchequer receipts for 1913-14 from the new increased duties imposed by the Finance Act of 1909-10 include—Spirits, 2,500,000*l.*; motor-spirit duty, 2,900,000*l.*; and liquor-licences, 2,360,000*l.*

Cream-preservatives.

The President of the Local Government Board informed Mr. Harrison-Broadley, M.P., and Mr. J. G. Butcher, M.P., in the House of Commons on Monday that he is in consultation with the President of the Board of Agriculture in regard to the question of preservatives in cream.

Living-wage Bill.

Under the ten-minutes rule in the House of Commons on Wednesday, Sir R. A. Cooper, Bart., M.P., introduced a Bill to provide for the approval of a living wage by local authorities and for the registration of employers who pay less than approved wages. The Bill is directed against sweated wages, will affect three millions of people, provides for the appointment of a Registrar of Labour, and is permissive in character.

Nursing Grant.

The Chancellor of the Exchequer has informed Mr. C. Bathurst, M.P., that the Exchequer grant towards nursing in connection with National Health Insurance will this year amount to 50,000*l.* and next year to 250,000*l.* The details of the administration of this service are still under consideration, but the suggestion that the county nursing associations should be utilised for the purposes of a national scheme of nursing will be borne in mind.

Milk and Dairies Bill.

Mr. Herbert Samuel on Tuesday introduced the Government Milk and Dairies Bill, which proposes to make regulations in order to prevent the supply of contaminated and dirty milk. Those regulations would be made by the Local Government Board in concurrence with the Board of Agriculture. It also provides means for tracing the source of diseased and adulterated milk, and gives improved procedure to deal with offenders.

Asking Doctors to Dispense.

On Monday Mr. Fred Hall asked Mr. Wedgwood Benn, M.P., as representing the Insurance Commissioners, if his attention has been called to the number of cases in which contributors under the National Insurance Act have been unable, even in urgent cases, to get prescriptions made up on Sundays and on early-closing days; and if it would be practicable to make some arrangements to provide for doctors on the panel furnishing medicine in urgent cases when a chemist is not readily available.—Mr. Benn replied that the answer to the first part of the question was in the negative. With regard to the latter part of the quesion the regulations already provide for the doctors themselves dispensing in circumstances such as those referred to, and arrangements have been made by Insurance Committees accordingly. He added that if Mr. Hall would furnish particulars of any case he would make inquiries.

Chemists' Insurance-dispensing Accounts.

In the House of Commons on Thursday, May 14, Mr G. Locker-Lampson, M.P., asked the representative of the Insurance Commissioners whether a number of Insurance Committees are finding that the claims on their Drug Fund for chemists' accounts are growing in amount as compared with last year; whether such is the case with Committees which had insufficient money with which to pay the chemists' accounts in full last year; and what steps the Government propose to take to meet these increasing deficiencies? At the same time the hon. member asked whether the chemists under contract with the West Hartlepool Insurance Committee have had 30 per cent. deducted from their bills for the last quarter, chiefly because the Committee has insufficient funds to meet the bills; whether there is still outstanding and unpaid 10 per cent. of the chemists' bills for each quarter of last year; if the number of prescriptions dispensed in that area has increased from 1,800 in the quarter ended April 1913 to 2,200 in the corresponding quarter this year, and at the same time the cost increased from about 525*l.* to 754*l.*; and whether the chemists and the Insurance Committee have as yet expressed their dissatisfaction to the Government in regard to the matter.

Mr. Wedgwood Benn replied that until the total sum available to each Insurance Committee had been finally ascertained, and the accounts had been scrutinised, the assumption underlying the question cannot be accepted. In a few cases the Insurance Commissioners had received confirmation that the accounts for the quarter ended April 11 are in excess of those of the same quarter of the last year, but no comparison between the accounts can be properly made until the accounts for each period have been properly examined. In answer to further questions, Mr. Wedgwood Benn said that the scrutiny of last year's accounts was now in progress. In answer to Mr. Locker-Lampson's second question, Mr. Benn said the Commissioners hope to be able to inform the Committee referred to at an early date of the total sum available to them of the Drug Fund for the past year. In the meantime any payments made to the chemists are in the nature of an advance only for reasons which he had already explained. No comparison can properly be made at present between the accounts for the last quarter and the corresponding quarter of last year. Mr. Cassel: Is not the hon. member aware of the real hardship that is being experienced by these traders, many of whom are in a small way? Mr. Benn: I think that is a general statement that is not substantially true. Mr. Fell: Does the hon. member realise that chemists are different from doctors in that they are largely out of pocket? The Speaker intervened, and the question remained unanswered.

NETHERLANDS NOTES.

Regulating the Sale of Proprietaries.—The Chief Commissioner of Police in Amsterdam has published a warning in the Amsterdam papers against the use of Witt's "kidney and bladder pills," samples of which have been distributed in the streets. As these pills contain methylene blue, and may therefore greatly alarm people when coloured urine is voided, the police warn the public against the use of the pills.

Cancer Institute.—In Holland, as well as in all other countries, cancer, the most dreaded of all diseases, is the cause of much misery In Amsterdam, for example, 736 persons died of cancer in 1912—that is, 11 per cent. of all deaths. Of every six persons above forty years one died of cancer. Now endeavours are being made to establish a laboratory for the study of cancer and a hospital for cancer patients. The Cancer Institute will be established in Amsterdam, and contributions are being collected throughout Holland.

Therapeutics of Potatoes.—Referring to the remarks in THE CHEMIST AND DRUGGIST on the therapeutic uses of potatoes, our Dutch correspondent states that the potato in Dutch folk-medicine has a very good reputation as a remedy against rheumatism and gout. According to M. A. van Andel, who, in 1909, wrote an essay on popular remedies in Holland, the raw potato or its juice gives relief from headache, inflammation of the eye, rheumatism, and burns, when applied externally on the effected part. The potato is also said to make warts disappear.

Hygiene at Semarang.—Many complaints have been made lately about the bad state of the native quarters in the Dutch East Indies. Mr. H. F. Tillema, a pharmacist in the East Indies, has given special attention to this matter, and has produced a series of photographs which show the contrast between the dwellings of natives and the European residents. It is due in a measure to Mr. Tillema that the Oengaran aqueduct has been constructed. This aqueduct will ensure a supply of wholesome water and do away with a source of dangerous infection. During the festivities connected with the inauguration of the aqueduct Mr. Tillema received the honour of knighthood.

The Sale of Opium—In accordance with the provisions of the International Opium Convention the Dutch Government has introduced a measure to give effect to the Convention. In order to make the International Convention agree with the national laws alterations in the latter will be necessary. In the Convention the contracting parties agree that these changes should be introduced in national Legislatures as soon as possible after the Convention is ratified. The Dutch Government, in taking steps to approve the Convention, gives indications as to the changes which will have to be made in the laws regulating the sale of poisons. In the first place the law regulating the practice of pharmacy in Holland only allows opium to be delivered in smaller quantities than 50 grams by pharmacists and by physicians who have got the right to deliver medicaments. In quantities exceeding 50 grams anyone can sell opium without limitation. It is on this account that a general revision of the pharmaceutical law cannot be waited for, but a special law is needed for regulating this matter.

Pharmacists and Proprietaries.—At a meeting of the "Departement Friesland" of the "Nederlandsche Maatschappij ter Bevordering der Pharmacie," Mr. G. O. A. de Thouars, of Drachten, presented a report regarding the sale of proprietary medicines, in which he recommends (1) that pharmacists should not sell quack medicines; (2) that a committee should be appointed charged with the examination of compound medicaments of unknown composition, and with the duty of drawing up a list of those medicaments which should be classed as quack medicines; and (3) that a press committee should be appointed charged with an oversight of medicines advertised in the newspapers. According to the same report, proprietary medicines should not be sold which, judging from their composition, are not likely to have the therapeutic effects claimed for them. Those sold at a high price, or which, in the advertisements, reflect on medical practice, or in which false certificates or portraits are employed, are also objectionable. There are also several other objections stated. The report is interesting in view of the fact that a new Bill to regulate the practice of pharmacy is expected to be introduced, and the Departement is urging the "Nederlandsche Maatschappij ter Bevordering der Pharmacie" to move the insertion of a clause prohibiting the selling of quack medicines

THE "SQUARE" CHECKING DEPARTMENT commenced to check London Insurance prescriptions this week.

Sports.

Golf.

A MEETING of Newcastle-upon-Tyne and district chemists was held at the Hôtel Métropole on the evening of May 12, at which it was agreed to form a Golf Club. The first competition will be held over the Town Moor Golf course on Wednesday, May 27, at 3 P.M. Communications should be addressed to Mr. W. D. Mackenzie, Hon. Secretary, 72 Kelvin Grove, Newcastle-upon-Tyne.

Cricket.

THE Wholesale Chemists' and Druggists' League match, played at Central Park, East Ham, on May 9, resulted in a win for Stevenson & Howell's C.C., who scored sixty-two runs against fifty-three by their opponents, Burgoyne, Burbidges' C.C. Mr. Vanner, going in first wicket down, was the only man to set up any good defence. He carried out his bat for thirty runs. Mr. Richardson bowled a good length and pace, and took six wickets for twenty-one.

Boots Athletic Club.

THE annual meeting of the Boots Athletic Club was held at the Trent Bridge Café, Nottingham, on May 11, Mr. John Boot presiding. The annual report dealt in detail with the achievements of the various sections of the Club. There are 496 members, and the financial balance in hand is 27*l.* 1*s.* 7*d.* Mr. R. B. Elliott, one of the founders of the Club, was presented with a sideboard. He takes a special interest in the swimming section. A musical programme followed.

Rainy Brown Golf Trophy.

THE annual match between teams drawn from the drug trade in Edinburgh and Glasgow was played over the course of the Pollok Club, Glasgow, on Wednesday, May 6. The trophy, which was presented last year by Mr. D. Rainy Brown, was first competed for over the course of the Bruntsfield Links Golfing Society, Edinburgh, and resulted in a win for the home team by fifteen matches to four, one match being halved. The result on this occasion was much closer, it being reserved to Mr. W. B. Cowie (the last match by the draw) to come in with the deciding win to enable Edinburgh to retain the trophy for another year. The weather was delightful, the Pollok course in the pink of condition, and the hospitality of the Glasgow Club such as is usually associated with the City of St. Mungo when visitors are within the gates. Mr. Murchie, captain of the Glasgow team, presented the trophy to the winners, Mr. George Baxter, captain of the Edinburgh Chemists' Golf Club, accepting custody of it. The details of play are as under:

Edinburgh.		*Glasgow.*	
J. Douglas Lunan	1	J. Murchie	0
J. A. Cochrane	0	George McDonald	1
Wm. Gibb	1	Osborne Hatrick	0
D. S. Philp	0	R. M. Jack	1
James Finlay	0	D. M. Henderson	1
R. Butchart	1	James Cruickshank	0
George Baxter	0	W. S. Galbraith	1
D. H. Alexander	1	John Howat	0
A. F. Dawson	1	James Anderson	0
W. C. Baker	1	R. Hogg	0
G. W. Mangan	0	George McLennan	0
J. P. Gibb	1	Hugh Thomson	0
J. G. Robb	0	R. Graham	1
G. F. Merson	0	J. E. Black	0
W. F. Robson	0	J. W. Moffat	1
John Noble	0	Wm. Thomson	1
A. J. Clark	0	Wm. Sievewright	0
R. D. Douglas	1	W. W. Wilson	0
A. J. Dey	0	W. McEwan	1
W. B. Cowie	1	W. D. Aitcheson	0
	9		8

DIAL-CIBA is the name given to a new hypnotic. It is di-allyl-barbituric acid, and occurs in white crystalline scales, almost insoluble in cold water. It is marketed by the Gesellschaft für Chemische Industrie, Basle, in tablets (0.1 gram or 1½ gr.), and the dose is one to one and a half tablet half an hour before bedtime.

SALT IN CHINA.—An interesting and informative article is contributed to the May issue of "The Nineteenth Century and After," by Sir Alexander Hosie, in regard to the production and salt revenue of China. Twenty-two provinces are dealt with, and particulars are given of the processes of manufacture, which in some instances are as ingenious as they are ancient. Sir Alexander Hosie puts the annual production of salt in China at 2,131,168 tons, and the revenue from it amounts to over three and a half million pounds.

SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale

Yohimbine and Quebrachine are identical, according to E. Fourneau and H. J. Page ("Bull. Sci. Pharmaeol.," 1914, 21, p. 7), who have made a comprehensive investigation of the alkaloids derived from *Coryanthe Yohimba* (N.O. *Rubiacea*) and *Quebracho blanco* (*Apocynacea*).

Diphtheria Prophylactic.—Von Behring's new prophylactic against diphtheria will be placed on the market on July 1. A new company has been formed, under the style of Behring Werke, Ltd., in Bremen and Marburg, with a capital of 33,750*l*., for the production of various therapeutic preparations, and in particular of the antitoxins discovered by Von Behring, under his personal supervision.

A New Copaiba, from Manaos, in Brazil, is described by Riedel. Its optical rotation is −40° for 100 mm., that of the volatile oil −35° 20′, and that of the resin (which was present to the extent of 20.4 per cent. only) −55°. Maracaibo, Maturin, African, and ordinary commercial balsams were also examined by distilling off the essential oil and purifying the residue of resin, which was optically examined, as well as the oil, the conclusion being that genuine medicinal balsams themselves rotate the polarised ray strongly to the right, but yield a lævorotatory essential oil and a resin which is strongly dextrorotatory. African balsam rotates but little—its oil strongly to the right and its resin about equally strongly to the left.

Oil from Lantana Camara.—D. D. Kanga ("Archiv. der Pharm.," 1914, 252, i.) has examined the essential oil distilled from the flowers and leaves of *Lantana Camera* (N.O. *Verbenacea*), which is indigenous to tropical America, and has been introduced in Australia and the southern portions of India. In Bombay it is known as ghaneri, which appears to be equivalent to our word "heliotrope." The following table shows the comparative details of the oils distilled from the flowers and the leaves and a typical oil examined by Schimmel & Co. in 1909:

	Oil distilled from			
	Dried Flowers.	Fresh Flowers.	Leaves.	Schimmel & Co.
Colour ...	Yellow	Yellow	Yellow	Yellow
Odour ...	Sagey	Sagey	Sagey	Sagey
Yield ...	0.07%	—	0.2%	0.245%
Sp. gr. ...	0.915	—	0.921	0.913
Ref. index	1.4937	1.5031	1.4893	1.4913
Rotation ...	+23.9°	—	+1.96°	+11.5°
Sap. value ..	10	—	—	—
Acetyl.value	43.6	—	—	—

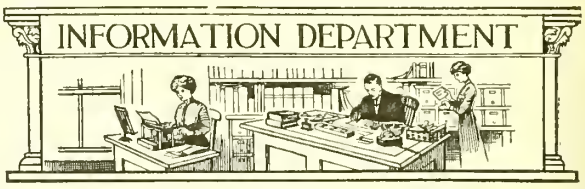
The oil from the leaves gave the following fractions on distillation under reduced pressure (48 to 55 mm.):

	B.Pt.	Refractive Index.
1	145–157°	1.48365
2	154–165°	1.48914
3	165–180°	1.49485
4	over 180°	1.49703

The constituents of the oil have not yet been identified.

Radium and Cancer.—The possibility of radiant matter being the cause as well as a cure for cancer was dilated upon by Dr. W. S. Lazarus-Barlow in a lecture on "The Cancer Problem" at Leeds University on April 22. Radium and radiant matter, he said, were very widely distributed in Nature in quantities which had been shown capable of producing stimulation of cell-growth, and, after some time, deleterious effects which culminated in death. Under certain conditions the treatment by radiation might lead to stimulation of a growth to such an extent that the condition of the patient became worse. Chronic irritation was the only cause which was accepted universally, but chronic irritation was very closely bound up with bacteria, and then arose the question whether radium stimulated bacterial growth as it stimulated an animal-cell. His experiments showed that the bacteria actually attracted radium to themselves from a solution, and it was arguable that if radium were circulating in the blood at the same time as the bacteria were present, the latter would attract and locally deposit the radium, forming a focus of that substance. Therefore it might be possible to find a quantity of radium in a part of the body in sufficient quantity to produce stimulation of the cells in the neighbourhood. One actually found radium present at times in normal human tissues, and it was found in greater quantities in cancerous tissues. Discussing the future of radium as a cure for cancer, the lecturer said the ideal he would hold up was that in radium and other radiations we held the solution of the second part of the problem—the cure of cancer. There was no variety of cell in cancer which could not be killed by the application of these rays.

Index Folio 754



Postal Address:
C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).
Telephone Number: BANK 852 (two lines).

INFORMATION WANTED.

Postal or telephone information as to the names and addresses of the agents for or makers of the undermentioned articles is solicited. Please address as above.

220/27. "Curair."
220/271. "Starto."
220/272. Franz Schultz's rheumatic tablets.
220/24. Castell's hair-cream.
220/25. "Paraphiline."
219/12. "Piperazidine."
220/57. Morris's Imperial eye-ointment.
221/18. Metal measures of 5 to 10 grain capacity to measure powders accurately without weighing.
220/270. "Oxygenol" (London supply).
222/62. Anti-mycotin vaccine.
223/900. "York" toilet-papers.
42/42. "Golden Nut" oil.
224/16. "Stoffler's medium" (for rheumatism).
224/14. "Patentex."
224/13. "Emetinol."
225/61. "Rexon" ointment.
223/16. "Leviathan" brand oil of peppermint.
220/57. Morris's "Imperial" eye-ointment.
223/9. "H. R." douche fittings.
223/69. "Tabac du Macouba."
221/69. "Salmette."
221/690. Howick's feeding-bottles.
221/691. "Old London" beetle-destroyer.
221/692. Soluble bismuth carbonate (Meyer, Sworder & Co.).
224/55. "Idadœia": a drink-cure.
42/420. Patent fly-killer in form of syringe for spraying rooms, etc.
225/60. Corks with celluloid tops: makers.

INFORMATION SUPPLIED.

Inquiries in regard to the following articles have been answered. The information will be given to others who send a stamped and addressed envelope for it to the above address.

Antiberiberin, 217/380
"Aquapura" enamelled-iron stills, 222/4
Auriphones, 224/16
Ayer's sarsaparilla, 223/18
Barry's Tricopherous, 223/18
Boldoot's eau de Cologne, 225/53
Cachet-filling machines (for power), 216/50
Caleidin, 224/12
Carmarole compound, 219/11
"Charmides" toilet-preparations, 220/26
Clay's fertiliser, 224/25
Crutchlow's patent massage-brush, 219/60
"Dandy" boot-polishes, 224/17
Desvage's "Mexican Corn-cure," 221/31
Durham Duplex razors, 221/27
Fumigating ribbon, 218/39
Gwillym Evans's lung-balsam, 222/631
Granulated toilet-soap (for distributors), 221/57
Hectine, 224/130
Hygol, 224/15
Insectol, 224/12
Iodargol, 224/131
Kanok (London supply), 219/9
Dr. Keller's fortonal tablets, 217/64 and 217/640
Kneipp Malz-Kaffee, 223/4
Leeming's essence, 220/57
Liqueur peptophosphorique (Adrian), 224/15
Mastisol, 217/64
Mechanical figures (for window display), 213/38
Microphones, 215/5
"Mirror" polishes, 221/69
Newton Mason's cough-linetus, 310/56
Noridal suppositories, 214/22
Nurse Cherry's feeders, 212/9
"Oko" wool, 211/38
Orathol, 214/21
Packing machinery (for 1-oz. and 2-oz. Epsom salts), 210/49
Pam-ala, 215/62
Pastoid, 214/713
Peach's tooth-cream, 216/48
Phosphorus, 215/53
Plastic figures (for window-displays), 211/7
"Silwyr" hair-brushes, 210/27
Sparkla (Watson's), 210/482
Tincture-presses, 206/72
Traumugica, 206/45
Trikresol, 207/72
Trimmell's cough-mixture, 210/48
Uraseptine, 214/41
"Velvas" lawn-sand, 214/712
Vibrators, electrical, 214/19
Wooden sample-bottle blocks, 209/34
YTO photo paper, 214/711

Congo Export Duties Repealed.—The Belgian Colonial Council has approved a Bill for the suppression of export duties in the Congo on ground-nuts, palm oil, palm-nuts, sesame, and coffee.

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

Mr. Lloyd George's Silence

with regard to chemists' losses under the Insurance Act ought not to be construed as indifference to our claims, but it shows the necessity for strenuous and concerted action on our part if we do not wish them to be permanently ignored. I am not prepared to answer your questions: What are chemists to do? What is Mr. Glyn-Jones to do? But it needs no prophet to foresee that those who bestir themselves most will be served first, and perhaps exclusively. As individuals we can do nothing, and in the absence of any statement of what our natural leaders are doing for us one is driven to ask whether something might not be done in the way of a memorial or deputation to Mr. Lloyd George, setting forth in temperate terms the actual position of affairs. There seems no reason why, if a sufficient number of local Associations combined to do this, it should not have some effect. It could not possibly have a bad effect, for of the justice of our claim and the reasonableness of our behaviour hitherto there can be no question.

The B.M.A. Parlour

may be a nice, comfortable sort of place, and it may be quite an honour to receive an invitation to enter it. Evidently the Council of the Pharmaceutical Society thinks this way, since it has accepted the Association's invitation. To do what? To consider questions in regard to the Drug Tariff! To me this seems an ominous proceeding. The B.M.A.'s interest in the Drug Tariff is diametrically opposed to that of the panel chemist, and I, for one, fail to see what the Pharmaceutical Council is going to do in that galley. If my words have any influence, I would most strongly urge Pharmaceutical Committees to be exceedingly careful what recommendations they accept from any outsiders; but there is no disguising the fact that if the Council of the Society commit themselves to proposals made by the B.M.A. it will make it very difficult for the County Committees to get better terms.

I have Read your Report

of the Council meeting of May 6, in which it is stated that the Secretary is to "take immediate steps," and also "certain other supplementary steps," with respect to the discounting of our accounts. It is high time; but "taking steps," though a comprehensive phrase, is rather vague, and the supplement has a disquietingly extemporary look about it. One would like to know precisely what these steps are. We have heard of such things as goose-steps, which do not, I believe, advance us an inch; and though I do not suggest that the Secretary's are intended to be of this kind, it is certain that such functionaries are constantly taking steps which really lead to nothing. I gather, indeed, that the steps now determined upon are only "preliminary" to action of some kind—a malady most incident to official "steps"! One would have thought that, after all that has passed, the time for action itself had already come, and that the necessary preliminary steps would have been taken long ago. The impression one gets is that the Council may possibly prove as ineffectual in action as Mr. Snodgrass, who, it may be remembered, took off his coat and announced that he was "just going to begin" precisely at the point when his leader's arrest had been effected.

Was it Right

for the writer of the Pharmaceutical Council's annual report to the members to emphasise so strongly that a larger number of persons passed the Minor examination during the year? There is a Bill before Parliament at present which is promoted by the Council for the purpose of trying to fill some of the hollow pharmaceutical places which have been left in consequence of there being insufficient Minor candidates. If there is justification for the jubilation expressed in the report, that is so much argument against the Bill to register assistants, for with a little more patience the Minor method would fill up the hollows. This is a vain hope, I admit, for the Council committed itself three years ago to recognise apothecaries' assistants and Army compounders, and that commitment is the real cause of the Asssistants Bill.

Some of the Candidates

for election on the Pharmaceutical Council have now made public their views on pharmaceutical politics, but the majority have preferred silence. Mr. Arnott, who is an authority on health-insurance affairs in Wales, contents himself with asking for the votes of his fellow members "so that he may plead on the Council for an active policy in redressing the many grievances of pharmacists." There is nothing very definite about this, and some indication of the grievances, and particularly of the means suggested for alleviating them, would have been welcome. Mr. Bilson, who is backed up by six South of England Associations, leaves it to these Associations to put forward the reasons why he should be re-elected. His spokesmen put upon him the intention of increasing the harmony between the Council and the craft and of increasing the prestige of chemists. Mr. Brumwell, in his address, supports the claim that commercial subjects, such as bookkeeping, should form part of the education of every pharmacist, and I take it that he would make these compulsory, which would mean another Act of Parliament. He also puts forward the question of obtaining more adequate remuneration for Insurance dispensing. Mr. Skinner has an idea that evening lectures and the post-graduate courses of lectures could be delivered at other places than London and Edinburgh, and that "branch reference libraries" should be established. It would have been cheaper and better to advocate that the Society pay carriage on books both ways. The local libraries formed by presents from the British Pharmaceutical Conference are hardly ever used, and are an effectual argument against decentralisation of the Society's library. I must not be understood to hold that the library is all the use it could be to the members; the amount spent annually on the library in London is too trivial to make the collection of use except for the most ordinary purposes. Mr. Skinner's letter in the correspondence column last week is a good argument for payment of members, especially if, as some of the candidates think, the working pharmacist is not sufficiently represented. If an examiner gets three guineas a day for his work, how much should a councillor receive?

A Mixed Clerical and Medical Committee

appointed in October last by a conference of the two professions have been inquiring into the efficacy of faith-healing. Their conclusion, briefly stated, is that faith in the Divine Power may be a contributory cause of the success of physical treatment, which, as they admit, is also true of most treatment by suggestion. They are, however, careful to add that this applies only to functional and nervous disorders, not to organic disease. One clerical witness did not regard moral excellence, either in the patient or in the practitioner, as essential to a cure, though he held a different opinion with regard to religious faith, of which, nevertheless, he said that it might operate merely as mental suggestion. It is difficult to see why, in such a case, the faith should be called "religious"; and, though there is ground enough for the Committee's warning against treatment by irresponsible and unqualified persons, there is no obvious reason why the clergy alone should be regarded as complementary to the doctor, and that only with the approval of the latter.

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Editorial Articles.

General Discontent.

It would be foolish to deny the fact that panel chemists in Great Britain are in a state of seething fermentation of discontent regarding the discounting of their bills, which has suddenly and unexpectedly become general throughout the country consequent on the prevalence of influenza and bronchial troubles last quarter. The irritation is aggravated by the apparent indifference of Insurance Committees, the silence of the Pharmaceutical Council, and the shelving of the body that was appointed to take

he place of the Pharmaceutical Standing Committee on nsurance—if it is not shelved it is dumb and ineffective. Insurance matters are now under the control of the Pharmaceutical Council, and the present state of feeling hroughout the trade is known to the Council, but no ublic intimation was given at last week's meeting which vould stay the revolt that is impending. The Council, owever, instructed the Secretary to take immediate teps to secure a complete report of the facts in all the leficiency areas throughout England and Wales as a preiminary necessary to initiating effective national action. This has been done by sending a dozen questions to secrearies of Pharmaceutical Committees, so as to get at the umber of prescriptions dispensed to insured persons in pecific areas, the amount of money allocated to the Drug und in each, the amounts of chemists' accounts, and uch other details as may have a bearing upon any shortages n the Drug Funds which have been experienced. It has een found that the amount of dispensing done by doctors or Insurance patients, improper debiting of Sanatorium und medicines to the Medical Benefit Drug Funds, and he greater proportion of insured women have made drafts bove the average upon the Drug Funds. It is also supposed hat the manner of checking chemists' accounts may have roduced discounting, and the official inquiry is directed o get at that as well as to ascertain how Pharmaceutical ommittees have used their rights to inspect accounts and crutinise prescriptions. Apparently, therefore, someing is being done on behalf of the Pharmaceutical ouncil, and our mention of what it is may help to allay ie growing irritation. We are bound to remark, nevertheless, that there is an inadequacy about the arrangeents which indicates that the Council has scarcely ealised how serious the situation is. The meeting held Preston under its auspices on Thursday may be of me service, but that is among ourselves, so to speak, d will not get us further into the Exchequer chest—ie ultimate source of relief. We trust that this is what meant by "initiating effective national action," but we ha'e our doots."

April Foreign Trade.

his Budget speech Mr. Lloyd George said, "The trade this country last year reached the highest point it has er reached. . . . In the coming year, in certain anches of industry there will be slackness, in other anches they expect to be busier than ever. . . . It uld not be safe to anticipate now a continuation of the ide boom of last year, but I believe the depression ll be shallow, and will not last long." There are nt signs in the April Board of Trade Returns, referred in last week's issue, that this "shallow depression" compared with the boom of 1913 may be at hand. e returns for the first three months of the year were t discouraging, and those for April are not unsatisctory when allowance is made for the fact that the nth contained practically three working days less than ril 1913 owing to the incidence of the Easter lidays. The imports were valued at 61,625,000*l.*, being decrease of 1,329,000*l.*, or 2.1 per cent., on April 1913, d an increase of 1,219,000*l.* on April 1912. The exports t month were 50,736,000*l.* (including over ten millions exports of foreign and colonial produce), or 75,000*l.* less than the figures for April last year, but 65,000*l.* more than in April 1912. On the four months' rking the imports are 584,000*l.* less, but as compared h 1912 they are almost 10½ millions more. We may add t the Returns have been much affected all this year by the fall in the price of rubber, as although during the four months the quantity imported increased by 6,579 centals, the value declined by no less than 3,156,000*l.* The total exports for the four months are 2,180,000*l.* better than the boom year of 1913, and almost twenty-one millions better than in 1912. As regards the April imports, the value of food, drink, and tobacco brought in alone accounted for a decrease of 1,390,000*l.* Raw materials and articles mainly manufactured registered an increase of 452,000*l.*, the oil, seed, and allied articles being 97,500*l.* more. Manufactured articles were down by 384,000*l.*, these including a drop of 40,000*l.* in chemicals, drugs, dyes, and colours, the imports of which were 1,117,000*l.* The features of the chemical imports were an increase of 395 cwt. in acetic acid, but a decline in value of 1,153*l.*; boron compounds were 19,164 cwt. more, and other increases included sulphur by 14,619 cwt., cream of tartar by 1,121 cwt., glycerin by 888 cwt., soda compounds by 4,805 cwt. (also 4,426*l.* in value), and tartaric acid by 618 cwt. The declines included saltpetre by 4,662 cwt., and potassium compounds in value by 28,577*l.* Quinine declined by 186,591 oz., to 72,755 oz. The record of April exports shows an all-round slackening-off, the bulk of the shrinkage being in coal and manufactured goods, which fell off by 925,500*l.* and 2,432,000*l.* respectively. The figures would have been worse but for an increase of 450,000*l.* in new ships, always an erratic item. The chemical schedule was less by 212,000*l.*, but going back to 1912 the increase is 349,000*l.*, the shipments attaining 2,052,735*l.*; on the four completed months of this year the figures are 7,912,617*l.*, or 324,000*l.* less than the highest record year of 1913. The chief declines last month were in the shipments of coal products 90,000*l.*, chemical manures 100,000*l.*, and soda compounds 21,000*l.* Bleaching-powder was less by 5,500*l.*, chiefly due to decreased exports to the United States. The copper-sulphate shipments were better than anticipated, being 18,372 tons, or only 78 tons less, but the total shipments (January-April) declined by 10,000 tons. Amid the general decline it is very satisfactory to find a slight increase of 13,000*l.* in the drug and medicine section, the exports for the month being 203,947*l.*, against 195,877*l.* in April 1913; the bulk of this was due to an improvement in actual drugs and medicines shipped (including quinine), as there was a decrease in "opium dried and powdered," which is included in this schedule. Already this year 827,368*l.* worth of medicines have been shipped, which is 50,000*l.* better than in the boom year of 1913.

Patent-medicine Inquiry.

It is stated (says the "Daily News") that a curious point may arise in connection with the report of the Select Committee of the House of Commons on Patent Medicines. Under the International Opium Convention, to which the Government are now a party, it has to be decided how opium and such drugs as morphine and cocaine are to be dealt with. The Patent Medicines Committee, who will shortly have before them the draft report of Sir Henry Norman, their Chairman, will have to determine on their own account what must be done in respect of labelling preparations of such drugs, and it is possible that their recommendations and the practice of the Foreign Office may not tally.

What our contemporary is driving at we do not quite know. Whatever Sir Henry Norman and his colleagues may determine in regard to cocaine and morphine, or any other substances which are scheduled poisons or which they may think should be, cannot be given effect to under the Poisons and Pharmacy Acts without action by the

Council of the Pharmaceutical Society of Great Britain; but if any recommendation by the Committee should go beyond the provisions of Poisons Statutes (*e.g.*, the stipulation on the label of the name of any poison contained in a preparation) fresh legislation amending the 1868 and subsequent Acts would be necessary. But we begin to doubt if any report of the Select Committee will be made. At present no Committee of the present Session of Parliament exists, but a draft report by the Chairman is floating about somewhere, and it is questionable if it would be acceptable by the members who were associated with Sir Henry Norman in the inquiry. Some kind of an agreement about the draft will need to be reached before the Committee is re-appointed, and neither in medical nor parliamentary circles is there pronounced eagerness for this. The medical advocates of the inquiry are sorry they spoke; the evidence has done them as much harm as good, and everybody is conscious that as an attack upon patent medicines the inquiry has not been a success. Even if the Committee is re-appointed and reports to the House of Commons this Session, no legislation will follow during the life of the present Parliament.

Our Parliamentary correspondent, writing on Wednesday, says so far no steps have been taken by the Government Whips to re-establish the Select Committee on Patent and Proprietary Medicines. Sir Henry Norman, the Chairman, is stated to be still engaged upon the preparation of his draft report, and until this is completed the Committee will not be re-nominated.

Dispensing for Unions.

The suggestion made in these columns some time ago with reference to the opening for the improvement of the conditions between pharmacy and the poor-law brought about by the introduction of the Poor-law Institutions Order, 1913, has been adopted by the Guardians of the Tynemouth Union, who have decided to employ the services of a part-time dispenser to assist their medical officer at the Union institution. The question of the duties of the medical officer as affected by the operation of the Poor-law Institutions Order came before a Sub-Committee, who recommended that inquiries be made with a view to employing a part-time dispenser, and through Messrs. Williamson & Hogg, pharmacists, of North Shields, this was made possible. Arrangements have now been made for that firm to send on trial for three months a qualified dispenser to attend at the Union hospital for two hours each week-day, they to be responsible for the work. There seems little doubt that the method adopted at Tynemouth could be followed by Unions throughout the country, and in many of the Unions it is anticipated that the services of a full-time dispenser would be requisitioned if the possibility were fully recognised by the local members of the craft.

A Scientist's View.

There have been many suggestions in "The Times" regarding modifications of the income-tax, and among the letters is one from Sir Ronald Ross, F.R.S., suggesting that gifts for scientific purposes should be freed from income-tax. He adds:

It is also notorious that many individuals accumulate vast wealth from the sale of small registrable articles, such as patent medicines, which are often manufactured from information obtained by scientific men, who themselves make no profit from their sale. Here my suggestion is that such incomes should be very heavily supertaxed, and that, if earmarking is allowed, the money accruing to the Treasury from such taxes should be devoted to the proper development of the sciences by which the manufacture of the articles is rendered possible.

What medicines Sir Ronald has in view we are unable to surmise, especially bearing in mind that evidence given before the Select Committee on Patent Medicines was rather in the opposite direction to that which he takes. If scientists' inventions are of any importance, it is difficult to see why steps should be taken to prevent them being utilised for the benefit of mankind.

"Advertising and Progress."

This is the title of a book, published by the "Review of Reviews" (5*s.* net), which has been written by Mr. E. S. Hole and Mr. John Hart, who are engaged in advertising and have found apparently that it is necessary to publish an *apologia* because of certain criticisms by Mr. John Burns and Mr. Chiozza Money as to money being wasted on advertising. The authors controvert these views, but whether it was necessary to write a book on the subject is another question. The significance of the authors' pleadings seems to us to be the fact that the new-school advertising-agent is ready to meet even the most unreasonable objections to advertising. The death of Mr. Thomas J. Barratt, of Messrs. A. & F. Pears, Ltd., calls to mind that originality is probably the greatest factor in advertising. If one looks around at successful advertisements, it will be found that the originality of the thing is what attracts. Mr. Barratt hit on the idea of employing pictures for advertising Pears' soap, then brought into play a particularly happy knack of choosing appropriate pictures for his purpose. It would be folly, however, to assert that his bold experiments could be repeated with the same success by other advertisers. We are at the moment only studying the bare question of form of advertisements; the other *sine quâ non* is to have something worth advertising. In the case of Pears' soap the transparent soap was new, and the accumulated experience of many years enabled the manufacturers to produce a standard article and maintain it. Mr. Hole and Mr. Hart both attack the question of who pays for advertising, and there is nothing new to say on that subject beyond what we reported some weeks ago.

The American Tariff.

Following on our article in last week's issue dealing with the new invoice regulations under the American Tariff, whereby American buyers may be able to secure information as to the buying source of their agents, several interesting comments have been made in the daily Press—*e.g.*, the "Financial Times" says that the requirement "certainly appears to be a very unhappy one, and it is hoped that a modification will take place for the prevention of friction, which is sure to arise if it is persisted in." The "Westminster Gazette," in dealing with the matter, says:

"The amount of detail demanded appears excessive. But we have to remember that in this country the school which pressed for the marking 'Made in Germany' made the same mistake. They did not reduce the imports of German manufactures. They simply placed the buyer in a position to get into direct touch with the original manufacturers."

In a similar vigorous comment the "Manchester Guardian" says:

"All these inquisitorial details are demanded, ostensibly at least, to enable the United States Customs officers to check the prices and see that the goods are not undervalued. But why, for this purpose, should it be necessary to give the name of the manufacturer? Are the Customs officials going to compare notes on the price-lists of all the different firms in this and other countries? It would be a task out of all proportion to the increased revenue which they could hope to obtain. Serious undervaluation can be checked by much simpler means than that. But the information might, of course, have a very high value in other ways. If, for instance, it came into the hands of the buyer—and we are not sure that it could not—it might enable him to dispense with the services of the commission merchant altogether. The information asked for is, in fact, essentially confidential. The commission merchant's knowledge is his stock-in-trade and he cannot be expected to surrender it."

As we stated last week, the most serious part of the ruling is that the American buyer is furnished with a copy of the Consular invoice containing these details. We may add, however, that the circular applies to commission agents only, and not to merchants, who are regarded as principals. We are informed by the Deputy Consul-General that

"The official view is that American Consular officers and Customs officials are primarily concerned with the immediate transaction between the foreign seller and the American buyer. In the case of commission merchants, however, they are, according to the spirit of the circular quoted, considered to be identical with the American buyer, hence the requirement for information respecting the seller and the time and place of sale."

The trouble evidently arises through an *ad valorem* tariff, and it means that there will be eventually fewer commission agents and more merchants.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

The Insurance Dispensing Problem.

In view of the unprecedented position in retail pharmacy brought about by the dispensing conditions under the National Health Insurance Act it is proposed to survey the whole matter under three headings—viz., (1) The existing unsatisfactory state of affairs; (2) an examination of contributory causes; and (3) suggested remedies. The articles are written by a panel chemist and member of a Pharmaceutical Committee, who has had exceptional opportunity of learning what has been proposed and what has been done. He writes under the strong conviction that the views which he expresses are widely held, and have been too long suppressed.

I. The Existing Unsatisfactory State of Affairs.

At the end of fifteen months' experience of Insurance Act dispensing we find that a very surprising and unsatisfactory condition of things exists. Instead of a contented, prosperous, and united body of pharmacist-dispensers throughout the country, grateful for their mercies, as was so sanguinely predicted would be the case after a period of actual experience of the work, what do we find? In a great many areas a body of men were before the introduction of the Act at least contented with their lot; not a few apparently having a fair share of the good things of this life. Now many of them are in a chronic state of mutiny against the conditions which exist in certain areas in England and Scotland. When misgivings were voiced at the time the Drug Tariff was under discussion, time was pleaded for in order to give the Act a fair chance; to allow this huge piece of State machinery to get into thorough working order; and in order that sufficient data might be collected for the proof or disproof of the reasonableness of the demand for an increased Tariff. I am bound to say that pharmacists, in spite of their doubts, loyally responded to the call. Many men who were sceptical about the results, and who would rather that things had remained *in statu quo*, settled down, alike with those who hailed the change as a boon, to give the new order of things a fair chance. With what result? I venture to say it is that those who were sceptical of the change have by time and experience been confirmed in their scepticism. What is worse, those who were largely favourable and hailed with ardour the stream of new business about to flow towards them have had their ardour changed into chagrin by the results of that experience. Particularly is this the case since discounting of accounts began to assume the character of permanence. My own experience of a deduction of one-third off the amount of the first quarter's account for 1914, along with a curt statement that this was all the money available for payment, is not calculated to make one feel enamoured with the new State business; in fact, the experience is exceedingly trying, and is shared by many other pharmacists in my county and other counties and boroughs. Such a huge deduction is bad enough as a temporary state of matters, but it is *absolutely intolerable in face of no guarantee that it will ever be made up.* What of the Midlands, where the deficiency amounts to 30 per cent., and where many men are approaching the verge of bankruptcy through no fault of their own, but for doing their duty under contract to the State to supply drugs, etc., which they dare not refuse to supply without risk of breach of contract? It is cold consolation to panel chemists in Manchester, who have only received 50 per cent. of their legitimate earnings; or of Salford, where the Drug Fund is exhausted and two-thirds of the accounts only paid; or of Blackburn and Bolton, with 75 per cent. paid, not to mention Stockport, Wigan, Oldham, Preston, Rochdale, Leeds, and many more in England. Aberdeen is little better in Scotland, Dundee and Dunfermline following hard behind. It is cold consolation, I say, to be told, as we have been told in answer to questions put in the House of Commons, as well as in communications from the Insurance Commissioners, that the work under contract, and that no more money should be looked for as none is available. We may be reminded that things are not so bad as we make out. Why, are not some in Scotland getting *a bonus*, and in a few cases handsome bonuses?

Meanwhile all this is having a disastrous effect upon the *esprit de corps* of the rank-and-file of pharmacy. A condition of strain exists which cannot last much longer without relief. When associations meet it is with the greatest difficulty that members are kept in hand, and rumours of discontent and disaffection are heard on all sides. Men are asking—and they have reason for asking—why they should be compelled to supply at a loss, which is additional to the loss already sustained by many chemists who were doing a good middle- and working-class dispensing business, and by whom the present state of matters is most acutely felt.

What are the causes, or some of the causes, which have contributed to the present *impasse*? I shall endeavour to deal with these in the next article.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Barnsley.—During the month ended April 11, 5,550 Insurance prescriptions were dispensed, an increase of 550 on the preceding month.

Blackburn.—At the Insurance Committee's meeting on May 12 the Clerk reported that the available sum in the Drug Fund only permitted payment of 66 per cent. of chemists' accounts. During last quarter these amounted to 2,357*l.* 19*s.* for 62,412 prescriptions, an average of 9.067*d.* each, as compared with 1,719*l.* 19*s.* for 59,259 prescriptions (6.9*d.* each) for the April quarter last year. For the quarter ended January 11 the accounts were 2,065*l.* 15*s.* for 56,651 prescriptions (average 8.7*d.*). The Committee decided to be represented at the Preston conference (p. 52).

Bolton.—At the May meeting of the Insurance Committee Mr. J. Smith opposed a proposal to divide among panel doctors the surplus funds from persons who had not chosen their medical attendant, saying he could not see why the doctors were entitled to a penny of it. It would be much better to run it into the Drug Fund and pay chemists who had earned it. It was stated in reply that the doctors are entitled to 7*s.* *per capita* for every person on the Committee's register.

Buckinghamshire.—The Panel Committee is asking the Insurance Committee not to rescind, as requested by the County Chemists' Association, its resolution allowing emergency supplies by doctors at a cost of 1*s.* The Panel Committee is offering no objection to a grant of 35*l.* for the Pharmaceutical Committee's administrative expenses, notice being given to rescind a resolution which prevents this. The doctors have also decided to charge a flat rate of 1*s.* for each supply of medicine provided to temporary residents.—Payments of chemists' accounts, amounting to 1,094*l.* 18*s.* 4*d.*, for last quarter have been passed.

Croydon.—The Insurance Committee on May 5 added Foster's Drug-stores, Ltd., to the panel. Alderman H. K. Moore, in moving that the company's application be acceded to, said: "It was for Messrs. Foster to provide a proper qualified chemist, and for their friends the pharmacists to see that they did so."

Devonport.—At a meeting of the Insurance Committee's Medical Benefit Sub-Committee on May 12, a letter from the Pharmaceutical Committee was received in regard to the checking arrangement (*C. & D.*, May 9, p. 59), which was approved subject to the following conditions:

1. That the Pharmaceutical Committee has the right to terminate this agreement at the end of the present medical year.
2. That "special" prescriptions be not included in those from which the prescriptions are selected for checking.
3. That the Pharmaceutical Committee may include the total prescriptions of any account which after scrutiny appears unsatisfactory for checking.
4. That immediately upon receipt of accounts a statement be sent from the Insurance Committee to the Pharmaceutical Committee showing the number of prescriptions dispensed by each chemist and amount claimed for same.
5. That the meetings of the Pharmaceutical Insurance Committee be held at the offices of the Insurance Committee and the Assistant Clerk attend when necessary

The Sub-Committee accepted these conditions.

Isle of Ely.—The Insurance Committee, on the recommendation of the Pharmaceutical Committee, has decided to appoint a person to check prescriptions, "as owing to the lack of uniformity there is at present much dissatisfaction on the part of the chemists."

Lancashire.—A meeting of representatives of Lancashiro Insurance, Panel, and Pharmaceutical Committees, arranged by the Pharmaceutical Council, was held at Preston on Thursday, May 14. Its chief object was how best to put into operation the resolution of the Blackburn gathering to investigate (under Medical Benefit Regulation 40) the various prescriptions, in order to ascertain if any are extravagant. It was suggested that this can be most economically and conveniently carried out by a single agreed proceedure, and by the various bodies interested contributing *pro rata* towards the establishment of a staff that could examine prescriptions for all the affected areas—viz., a central office with two qualified chemists and their assistants in charge, for the purpose of going through and checking the accounts of chemists for Lancashire towns. The staff will be specially employed, and Committees will pay for the upkeep in proportion to the number of prescriptions they submit. Another suggestion submitted was that the rate per head under the Drug Fund should be altered from 2*s.* to 2*s.* 6*d.* for women and 1*s.* 10*d.* for men. It was stated in a note sent out to the Press that "the Commissioners will not at present increase the aggregate amount to be devoted to the National Drug Fund."

Norwich.—For the quarter ended April 11, panel chemists' accounts amounting to 979*l.* 11*s.* 7*d.* have been paid.

Oldham.—The Pharmaceutical Committee has asked for an inspection of last year's Insurance prescriptions, with a view of investigating the causes of the deficiency in the Drug Fund.

Rochdale.—Chemists' accounts for the last quarter amount to 1,591*l.* for 40,574 prescriptions, being an average of 9.4*d.* per prescription. The amount estimated as available in the Drug Fund is 1,044*l.* The previous quarter's drug-bills for 31,231 prescriptions amounted to 1,168*l.* 18*s.* 10*d.* (average 9 04*d.*), while the quarterly averages in the first medical year were: Accounts, 1,025*l.* 6*s.*; prescriptions, 29,630; average cost, 8.3*d.* The Insurance Committee on May 11 rescinded the resolution to pay 90 per cent. of chemists' claims passed at its meeting in the previous month, and decided to pay 994*l.* 13*s.* 4*d.* (62.5 per cent.), this sum being 95.2 per cent. of the available Drug Fund. Alderman Cunliffe said he understood the payments to chemists had not been made promptly, and that some of them were out of pocket. He wished to know if there was any chance of the chemists getting more money. The Clerk said there was not much chance at the moment of paying them more for the past quarter. Councillor Thomas (himself a chemist) pointed out that 29,600 prescriptions were tendered to the chemists for the first quarter of last year, and the number had risen to 40,500, so that the chemists had had a good deal more work to do. It was decided that representatives of the Medical Benefit Sub-Committee should confer with the Panel Committee on the matter. A request from the Pharmaceutical Committee for a transfer of money from the Sanatorium Benefit Fund to the Drug Fund in respect of prescriptions not properly marked for domiciliary patients was deferred pending further information as to a proper amount to be transferred.—Speaking to a *C. & D.* representative, a local chemist said: "There is only one remedy, and that is to try to convince the Government that we are not being fairly dealt with. This is not a matter which affects only chemists in Rochdale; the same thing will be experienced in a greater or lesser degree all over the country, and there will probably be a joint protest by the whole body of chemists against it. As a matter of fact, the thing is actuarially unsound: the Government based their calculations on the work of the big Friendly Societies, and they failed to realise that a large number of people would come within the scheme who had not been under the discipline of Friendly Societies. One of the remarkable features of the affair is the great proportion of insured married women for whom we make up prescriptions. During last year on the average chemists made up three prescriptions per insured person, whereas during the first quarter of this year the average has been one per insured person."

Salford.—The dispute between panel doctors and chemists in regard to over-prescribing has culminated in the Medical Benefit Sub-Committee of the Insurance Committee deciding on May 7, after the separate reports of the chemists and the doctors had been read and discussed, to refer the entire subject for decision to the Insurance Commissioners, owing to the highly technical character of some of the contentious matters raised. The "Manchester Guardian" for May 12 states:

"The Medical Benefit Sub-Committee consists of three doctors, one chemist, and two or three laymen. It is expected that the Insurance Commissioners will hold an inquiry at an early date and examine witnesses on each side. There has been much speculation about the merits of the dispute, and most of the alarmist statements which have appeared concerning it are pure guesswork. The principal facts are simple. On the one side appear about seventy chemists; on the other some 10 to 15 per cent. of the medical men in the borough. The great body of Salford doctors apparently are not concerned. When the chemists made up their accounts for the year some six weeks ago—and Salford was one of the first big municipalities in the kingdom to have its accounts ready—they found they were nearly 4,000*l.* on the wrong side. This deficiency was reported to the Insurance Commissioners, who asked, through the Salford Insurance Committee, the Chemists' Committee to report on the reasons for the deficiency under certain rules and regulations laid down by the Commissioners. A report was prepared, which, among other things, pointed out that, although the chemists were allowed 2*s.* per patient, the amount actually expended had been 2*s.* 8*d.* There is a great deal of women's work in Salford, and the conditions of life and work are different from those in other towns and rural districts which find 2*s.* enough for the chemist to cover all expenses. The report also maintained that an analysis of the accounts indicated that a certain number of doctors in the borough had over-prescribed. The Doctors' Committee have replied to this report in the form of a report of their own, in which it is broadly indicated that the charges of the chemist are too high, and it is hinted that these high charges account—at least to some extent—for the deficiency. In answer and explanation, the chemists have drawn up another report, in which they strongly deny the charge of high prices for making up prescriptions. They say that their charges are lower than Manchester's, and lower than the average for the county generally."

The Pharmaceutical Committee back up their reply with ample statistics.

Sheffield. Great dissatisfaction exists among local chemists at receiving only 60 per cent. of last month's accounts. Apparently this is necessary in order to keep within 90 per cent. of the available Drug Fund, but no reason is given in the circular accompanying the cheques why the rate of 75 per cent., as agreed upon, has been departed from. The whole of the 25 per cent. deducted from last year's accounts is still unpaid, and chemists feel it is hard that so much should be held over so long beyond the year-end. It is likely that the Pharmaceutical Committee will make strong representations on the matter.—The Panel Committee are compiling a Formulary for Insurance prescribing. One of the features is an attempt at uniformity in the size of bottle ordered, 8 oz. with one tablespoonful dose being recommended. The question of standardisation of certain drugs has been settled by the doctors' acceptance of those submitted by the Pharmaceutical Committee. The Panel Committee are hopeful that the Formulary will result in a reduction in the charges upon the Drug Fund.

Staffordshire.—The Insurance Committee, on May 9, again discussed complaints by panel chemists at Leek against a panel doctor accepting payments for insured persons on his list, which the Committee at a previous meeting had requested the practitioner to refund. The doctor had since replied that he had offered to do so, but many patients refused to accept the payments. Mr. G. Owen complained that no investigation had been made of the chemists' complaint. The Chairman of the Medical Benefit Sub-Committee said there was nothing to investigate, as the facts were admitted.

Stoke-on-Trent.—The Insurance Committee on May 7 were informed that the Pharmaceutical Committee, in answer to the Committee's letter calling attention to Section 10 of the Medical Benefit Regulations, as to securing a sufficient number of places of business of persons supplying drugs and appliances being open at all reasonable times had replied that such provision had been already made in all parts of the area. The Pharmaceutical Committee is to be asked to supply particulars. A complaint was considered concerning the owner of a proprietary medicine, who was using a communication from the Committee for the purposes of promoting the sale of such article. The Clerk reported on an interview he had had with the owner's representative, and it was resolved that the Clerk be instructed to write to the whole of the chemists upon the panel forbidding any such similar use being made of any communication from the Committee in future. The following resolution was also adopted:

That this Committee, in view of the probability that in many industrial areas throughout the country, and particularly where female labour predominates, the chemists' accounts will not be paid in full, respectfully urges that in order to remove the hardship which will be inflicted upon the chemists if such a state of things continues, the National Health Insurance Commissioners will make such arrangements in the near future by the pooling of the Drug Fund as will secure that the accounts of the chemists in this and other county boroughs similarly situated shall in the future be paid in full.

The Sanatorium Sub-Committee had had before them particulars of prescriptions for tuberculosis patients which had not been properly marked by the doctors. The Committee decided that the sum of 100*l.* be paid from the Sanatorium Benefit Fund to cover the cost of prescriptions wrongly charged to the Medical Benefit Drug Fund.

Tynemouth.—At the Insurance Committee's last meeting the Clerk reported that a certain firm of chemists had applied to him for the inclusion of their name upon the chemists' panel. He had informed them of their position under the Act, and it had since come to his notice that in several panel doctors' surgeries the firm had caused their name to be added to the list of firms supplying medicine, etc., by a slip which contained their name and address in red ink. The Committee considered this action highly irregular, especially as the slip was printed in a different colour, and the Clerk was instructed to write to the firm strongly disapproving of their action.

West Bromwich.—The Insurance Committee has issued a report of the meeting between chemists, doctors, and representatives of insured persons (*C. & D.*, May 9, p. 60), and has decided that:

(1) Steps must be taken to lessen the cost of dispensing. (2) Chemists must report cases of extravagant prescribing or cases where insured persons obtain medicines too frequently. (3) Doctors are to be asked to order half-ounce doses and large-size bottles. (4) A West Bromwich Pharmacopœia is to be framed on as economical lines as possible. (5) "Rep. Mist." prescriptions are to be abolished. (6) All prescriptions must bear the number or name in the West Bromwich Pharmacopœia and the quantity, with or without additional items, as required. (7) When aqua is ordered in that Pharmacopœia, Aq. font. is to be used, unless aq. dest. is specified. (8) Pharmacists are to indicate on the label the name or number of a Pharmacopœia mixture and quantity. (9) In the case of an original formula, pharmacists to give details on the label as far as possible (when only one or two ingredients are ordered). (10) The Insurance Committee to be requested to supply panel doctors with cards on which may be written private prescriptions of any length for reference by the doctor.

It is also decided that doctors should order appliances (not drugs) on forms drawn in their own names, and that pharmacists should render accounts for these items on separate forms with the prescriptions attached. For the supply of emergency drugs and drugs usually administered by the doctor, panel doctors have asked for 4*s.* per 100 insured persons per annum, instead of sending in detailed accounts each quarter. The Pharmaceutical Committee has been asked to agree to this.

West Hartlepool.—A special meeting of the Medical Sub-Committee was held on May 4 to consider chemists' accounts. The auditors' report showed that there had been 22,054 prescriptions dispensed during the quarter ended April 11 at a cost of 754*l.* 3*s.* 8½*d.*, distributed as follows: Drug Fund, 21,699 (733*l.* 6*s.* 7½*d.*); Sanatorium Benefit Fund, 342 (20*l.* 10*s.* 5½*d.*); temporary residents, 4 (2*s.* 2*d.*); travellers' vouchers, 9 (4*s.* 5½*d.*). This is an increase of 4,000 prescriptions, or 230*l.*, over the corresponding quarter last year. The average cost per prescription works out at 8*d.*, and the cost per insured person 7.57*d.* It was decided to pay the chemists 70 per cent. of their accounts immediately. The report has been sent to the Pharmaceutical Committee for their consideration. As there is still outstanding 10 per cent. of the chemists' accounts for each quarter of last year, in addition to the 30 per cent. deducted this quarter, the position of local chemists is rather serious, and is causing them much dissatisfaction.

Westmorland.—A lengthy discussion took place at last week's meeting of the County Insurance Committee regarding the supply of serums and antitoxins, which had been raised by a panel doctor. Mr. George Vogt, chemist and druggist, Kendal, was one of the speakers. Dr. McCallum expressed the opinion that the Committee should pay for these remedies, although they are not on the Drug Tariff. The Committee adopted a motion by Mr. Vogt to the effect that the doctor be informed that if the patient resides within a mile of a chemist the remedy could be ordered on the usual pink form; if outside that radius, the doctor himself must supply the drug.

Wigan.—A circular has been issued to panel practitioners asking them to prescribe 8-oz. tablespoon mixtures in place of 6-oz. bottles of medicine with two-tablespoonful doses. This is a result of a joint conference of doctors and chemists on April 24, when it was stated that certain overspent boroughs in Lancashire, including Wigan, had decided that all last year's Insurance prescriptions should be sent to a central office, possibly in Preston, under joint management, where prescriptions considered extravagant would be nicked out and the doctors responsible surcharged. The circular classes the following under the head of extravagant prescribing:

1. The prescribing of extract of malt, malt and oil, cod-liver oil, and cod-liver oil emulsion for those not in receipt of Sanatorium Benefit unless in exceptional cases. (For those receiving Sanatorium Benefit, 1 lb. per week of either of the two former, or half a pint per week of either of the two latter, is deemed an ample supply.)

2. The prescribing of medicines by proprietary names when chemically equivalent terms might have met the case.

3. The prescribing of expensive liniments in quantities larger than 2 oz. at one time.

4. The prescribing of bandages and dressings in large or unnecessary quantities.

5. The prescribing of 1½ oz. or more of tinct. rhei co. in a mixture.

The circular concludes: "We also emphatically deprecate 'counter prescribing' by pharmacists."

SCOTLAND.

General.—With respect to the circular-letter issued by the Scottish Insurance Commissioners to panel doctors in Scotland *re* the claims of the chemists for increased remuneration, it is felt that this may cause friction between doctors and chemists, and chemists feel that it puts them in an intolerable position. The same feeling is expressed by the doctors. In Edinburgh the panel doctors unanimously agree that the prices asked by chemists are reasonable, but they object to the "floating sixpence" being used to meet the additional claims on the Drug Fund. The Edinburgh panel doctors further state that they fail to understand why they should be consulted about the matter at all, as they consider that it lies between the Insurance Commissioners and the chemists. The Commissioners have issued a revised list of prices of drugs and appliances, which is to be substituted for Schedule II. of the circular. It embodies alterations in the Drug Tariff which came into operation on April 15, 1913, and were apparently overlooked. The list is shorter, among the omissions being acid. acetosal., hexamethylenetetramine, senna ind., and sinapis. It is rumoured that the drug-bills are up in many districts, particularly in the North and West. It is expected that in some cases there will be a diminution in the drug-bills in certain areas, as a result of the examination of prescriptions.

Dundee.—Cheques dated May 9 have now been delivered to Dundee chemists in part payment of last quarter's accounts. The Clerk of the Burgh Committee explains that the sum he has received from the Insurance Commissioners is not sufficient to pay the full amounts, so he has deducted 33⅓ per cent. from each account. The balance due to chemists for the year ended January 11 is still unpaid, as the Commissioners have not yet remitted funds for the purpose. Accounts for drugs are in future to be rendered monthly, within seven days after the eleventh of each month. —The chemists' accounts came to 2,176*l.* 19*s.* 9*d.*, but the amount available to meet these was only 1,489*l.*—A protest meeting of panel chemists was held in Mather's Hotel, Dundee, on Wednesday evening, May 13. Mr. C. Stephen presided, and regretted the necessity for holding a protest meeting. He explained the financial position, adding that 1,489*l.* represents about 59,500 insured persons according to the Commissioners, whereas the Insurance Committee's Index at January 11 showed 76,437. Last year the Commissioners gave credit for 62,000 insured; 3,000 from Broughty Ferry are now included in Dundee, yet they reduce the number by 2,500! As to non-payment of the balance of 10 per cent., no reason can be given except that the Commissioners so far have not forwarded the money. Mr. Stephen added that the situation is so acute that great concern is felt as to the nature of the new agreements, and it is hoped that the Pharmaceutical Standing Committee on Insurance will make a strenuous effort to secure that there shall be no discounting clause, that not more than 10 per cent. be withheld at any time until checking takes place, and that new agreement-forms should be issued as early as possible to allow time for consideration before June 11. The following resolution was unanimously adopted, and copies ordered to be sent to the Insurance Committee, to Mr. Lloyd George, Mr. Bonar Law, Lord Tullibardine, Mr. Churchill, M.P., and Mr. Wilkie, M.P.:

Dundee panel chemists, in meeting assembled, expressed disappointment at not yet having been paid the balance of 10 per cent. (amounting to over 600*l.*) of their accounts for the past year, and they protest emphatically against the heavy deduction of 33⅓ per cent. (amounting to about 700*l.*) made from the payment of their accounts for the first quarter of the present year. This excessive deduction, together with the vexatious delay in paying arrears, imposes a financial strain upon the chemists which, as business people, they regard as intolerable. They contend that they have faithfully implemented the terms of their contract with the Insurance Committee in supplying the insured sick with the medicines and appliances ordered for them by their Panel doctors, and consider it harsh and unjustifiable that they should be called on to submit to their bills being only partially honoured. Moreover, the chemists believe, from the information at their disposal regarding the number of insured persons on the register of the Dundee area, that these oppressive conditions are unwarranted, and, if allowed to continue, will make it impossible for the chemists to continue on the panel. It is needless for the chemists to point out that the quantity of medicines used is entirely outside their control, their contract being to supply at the Tariff prices agreed upon whatever medicines may be ordered by the medical practitioners on the panel. The chemists therefore request the Insurance Committee to acquaint the Insurance

Commissioners with this protest, and obtain from them before June 1 an assurance that all arrears will be paid within a reasonable time, and further point out to them the injustice of paying bonuses in some areas while in others the ordinary accounts are not met.

Elgin and Nairn.—At a meeting of the Insurance Committee for Elgin and Nairn, held in Elgin on May 6, the Clerk submitted a statement of panel chemists' accounts for the past quarter, showing that the number of prescriptions lodged for that period was 6,694, the total sum claimed being 312*l.* 17*s.* 5*d.* The Clerk explained that the prescriptions chargeable against the Drug Fund would work out at about 6¾*d.* per insured person, which exceeded the amount available for the quarter, even with the addition of a suspense sixpence, but as the past quarter was recognised to be an abnormally heavy one, and as the amount was not likely to be reached in other quarters of the year, he considered the full amount might be paid. It was further stated that the average prescription per insured person for the quarter was 0.6, or six prescriptions to every ten persons.

Leith.—During the first quarter of the current year 14,904 prescriptions were dispensed at a cost of 535*l.* 0*s.* 1*d.*, payable to panel chemists.

Perth.—In the burgh during the quarter which ended on January 11 4,575 prescriptions were dispensed, and the total amount of the ehemists' accounts was 175*l.* 7*s.* 5*d.*, the average cost of each prescription thus being 9.2*d.* The Clerk has been instructed to pay these accounts to the extent of 90 per cent.

WALES.

Newport (Mon.).—During the medical year ended January 11, 1914, the total amount paid to chemists was 2,317*l.* 14*s.* 6*d.* There was an approximate increase of 300*l.* in ehemists' accounts for the quarter ended April 11, 1914, over the corresponding quarter of last year, and an increase of about 200*l.* over the accounts for the quarter ended January 11.

Pembrokeshire.—A meeting of the County Pharmacists' Association was held at Haverfordwest on May 6, when the shortage in the Drug Fund was discussed, and a resolution was passed unanimously urging upon the Pharmaceutical Society the necessity for steps to be taken by them to get the amount set aside for medicines increased. Speaking to the resolution, Mr. Llewellin, of Milford Haven, hoped that other Assoeiations would keep on pressing toward the same goal; it was only by so doing that they could hope to get any more favourable treatment.

Notes.

At the Commencement of the working of Medical Benefit under the National Insurance Act complaint was made that in some thickly populated districts insufficient provision was made by ehemists. This has been quickly remedied, especially during the last few months, by pharmacists starting branches or opening new businesses.

Prescription-checking.—At a meeting of the Midland Division of the Association of Insurance Committees, a diseussion took place on the question of panel and pharmaceutical levies, and also as to the exact powers of an Insurance Committee in checking chemists' aecounts. The general opinion was that the final responsibility for guarding against improper disbursements from the Drug Fund rested with an Insurance Committee. It was agreed that it would be competent for a committee to enter into an agreement with either the Panel or Pharmaceutieal Committees, or both, whereby only a portion of the cost of checking accounts received by an Insurance Committee for chemists would be borne by that Committee. In any case, such expense incurred would be a charge on the Benefits Administration Fund of an Insurance Committee.

Sanatorium Treatment.—The East Sussex Insurance Committee has issued the subjoined tariff of special drugs and appliances for persons in receipt of domiciliary treatment:

	s.	d.
Cod-liver oil, in 20-oz. bottles, per bottle	1	0
Extract of malt, in screw-cap bottles, 2-lb. bottle	1	5
Extract of malt and oil, in screw-cap bottles, 2-lb. bottle	1	6
Pocket sputum-flasks, screw-cap both ends, each	0	9
Paper handkerchiefs, as sample, per 100 { "B"	1	0
Paper handkerchiefs, as sample, per 100 { "C"	0	9
1-min. clinical thermometers, in case, each	1	6
Spitting-cups, china, each	0	7
Bronchitis-kettles, 2 qrts., each	1	6
"Yeo" inhalers, each	0	6
Benger's food (if specially authorised by the Committee)	1	3

Other drugs on the terms of the Drug Tariff adopted for the purposes of Medical Benefit and embodied in the agreements with the Committee.

The prices for appliances are very keen, and our correspondent has difficulty in obtaining them in the open market even at these prices.

ASSOCIATION AFFAIRS.

Chemist-Opticians.—A Council-meeting of the Society of Chemist-Opticians was held at 1 and 2 Queen Street, London, E.C., on May 8. There were present Mr. F. S. Horsey (President), Mr. C. J. G. Bunker (Treasurer), Mr. S. W. Woolley, and Mr. J. Harcombe Cuff (Hon. Secretary). The annual report of the Council was drafted for submission at the annual meeting on May 20, and the final arrangements made for the meeting.—The *Annual Report* of the Council discloses a satisfactory state of affairs, for whereas in the previous year there was a deficit, the report states that the work of the past year has resulted in a balance of income over expenditure of 2*l.* 3*s.* 3*d.* The absorbing influence of the National Insurance Act has been felt by the Society, in that it has been found to be impracticable to hold more than one evening meeting during the year. The *Annual Accounts* as audited show that the subscriptions of members and associates during the year amounted to 66*l.* 18*s.* 9*d.* and bank interest to 19*s.* 2*d.* The expenditure included 39*l.* 13*s.* for official organ and 19*l.* 17*s.* 6*d.* for elerical assistance. The balance-sheet shows that the assets of the Society amount to 81*l.* 8*s.* 8*d.*, of which 76*l.* 15*s.* 8*d.* is represented by cash at bank and in the Secretary's hands.

Chesterfield.—A special meeting of the Chesterfield Pharmaeists' Association was held on May 7 at the Hôtel Portland. Mr. Geo. Wright was in the chair. There were also present six members and Mr. J. H. Toplis (Hon. Secretary). The last-named suggested that, as many of the members resided some miles from Chesterfield, it would be a good thing to hold the annual meeting on a Wednesday afternoon, and to provide a dinner out of the funds of the Association. This was approved by the meeting.

Great Yarmouth.—A meeting of the Great Yarmouth Pharmaceutical Association was held at 156 King Street on May 7, Mr. A. E. Richmond in the ehair. There were also present four members and Mr. J. Shearman (Hon. Secretary). Replies were framed to the circular from Mr. E. Saville Peck on a suggested code of rules for dispensing abnormal prescriptions. The forthcoming Pharmaceutical Committee election was diseussed. A letter was read from the Clerk of the Insurance Committee suggesting that in future the ehemists be paid 90 per cent. after the prescriptions were checked, and asking for approval, which was readily given. It was decided to have an outing this summer, the arrangements being left to the Committee.

Harrogate.—The annual meeting of the Harrogate Pharmaceutical Association was held on May 8 at the Salisbury Hotel, the President (Mr. G. Fenn) presiding. The Secretary, in his report, reviewed the work of the session, and said that during the year cheques had been sent to the Parliamentary Fund and one of 2*l.* 12*s.* 6*d.* to the Benevolent Fund. The report was adopted. The Treasurer's report, which was also adopted, revealed that the Association is in a sound financial condition. Votes of thanks were passed to the retiring officers, special mention being made of the fact that Mr. C. B. Southwell, after five years' work as Secretary, felt that he must resign that position. The election of officers then took place. Mr. O. R. Windemer was unanimously elected *President*. The retiring President (Mr. G. Fenn) was elected *Vice-President*, and also to his old office of *Treasurer*. Mr. A. Mortimer was elected *Secretary*, and the following to form the *Committee*: Messrs. C. B. Southwell, Pattison, Ridge, and Inman. Mr. Lambert Foster was elected *Auditor*. Messrs. Bosward and Collett were elected as members. A smoking-concert and discussion on business topics concluded the meeting.

London (N.).—The concluding meeting of the session of the North London Pharmacists' Association was held on May 7, when Mr. W. J. Uglow Woolcock gave an address in which he showed *The Workings of the Pharmaceutical Society*, which proved very interesting to the members present. Questions were invited by the Chairman (Mr. J. Noble), which, unfortunately, Mr. Woolcock had to curtail owing to another engagement. Those that were asked covered a large field, and brought out many interesting answers. They dealt with the inadequacy of the inspection of the medical equipment of sea-going ships, the possibility of holding evening meetings at Bloomsbury Square for the benefit of members who could not get off on Tuesdays, the change in the method of sending in the accounts to the London Insurance Committee, and the unsatisfactory nature of the Assistants Bill now before Parliament. A vote of thanks was accorded to the lecturer. Afterwards the meeting resolved to support the Pharmaceutical Parliamentary Fund.

Manchester Assistants.—At the last meeting of the Manchester and District Chemists' Assistants' Association Mr. D. N. Fullerton resumed the discussion on *Guild Phar-*

macy, which had been left over from the previous meeting. The speaker explained the principles of trade unionism, and contended that these are not applicable to pharmacy. The experience of the Shop Assistants' Union has been that not only are members difficult to get, but the membership is in a continual state of flux owing to various unsettling influences which are continually at work, accentuated in the case of chemists' assistants by the existence of men qualified and unqualified by examination. The trend of events within the last few years has been to make it easier for an assistant to commence for himself. Such factors as the P.A.T.A. and the National Insurance Act have contributed to this by putting a stop to price competition and shifting competition to the plane of quality and workmanship, a condition of things more akin to that which obtained in the guilds of the Middle Ages, and which seems to offer for pharmacy a much more satisfactory type of organisation than anything trade unionism can offer—not only more comprehensive, but with more hope of permanence about it. The lecturer then explained the ideas of such writers as Kropotkin and A. J. Penty on this subject, and also gave the details of a scheme recently advocated in the "New Age" which has for its object the converting of each trade, profession, or craft into a national guild so as to secure a reasonable opportunity for each individual worker, to curb the present rush and scramble and sweating which it is held are inimicable to good work as well as detrimental to the well-being of the nation. In this way it is hoped to produce a more even distribution of capital among small producers. A vote of thanks was awarded to Mr. Fullerton for his remarks.

Society of Chemical Industry.—At a meeting of the Yorks Section at the Midland Hotel, Bradford, on May 11, Mr. F. W. Richardson, F.I.C., the recently elected President, read a paper on *The Estimation of Small Amounts of Sodium Salts* in the Presence of Relatively Large Amounts of Potassium Salts, with a New and Efficient Way of Preparing Pure Chlorides from the Sulphates. He said it is rarely necessary to estimate small amounts of potassium salts in the presence of much sodium salt, but it is of importance to be able to estimate small quantities of sodium in the presence of much potassium, as in the analyses of commercial caustic alkalies, such as caustic potash and carbonate of potash. In all cases it is advisable to convert compounds into the pure chlorides. Instead of precipitating with barium chloride, and then removing the excess of barium from the filtrate by means of ammonium carbonate, etc., Mr. Richardson directly precipitates with barium-acetate solution, and from the evaporated residue from the filtrate he eliminates the barium after strong ignition and carbonisation by merely treating with water, which leaves the insoluble barium carbonate and dissolves out the alkaline salts in such a condition that they can be readily converted by means of hydrochloric acid into the pure chlorides. Mr. Richardson criticised the very costly platinum method, which involves the use of at least six shillingsworth of platinum in every experiment.

Thames Valley.—Mr. C. J. G. Bunker (Twickenham) presided at the annual meeting of the Thames Valley Pharmacists' Association held at Kingston-on-Thames on Wednesday, May 13. The annual report was read by the Secretary (Mr. W. Peake). It gave prominence to the large amount of correspondence dealt with during the year. Although the meetings had not been so numerous, the Committee felt that, unless urgent business presented itself, it was unnecessary to call the members together. Mention was also made to the honour the Association felt in that one of the founders and a past-President of the Association, Mr. W. J. Uglow Woolcock, had been appointed Registrar and Secretary of the Pharmaceutical Society. The report was adopted, and it was agreed to congratulate Mr. Woolcock. A financial statement was presented by the Treasurer (Mr. Higgs), which showed a balance of 14*l.* 15*s.* 5*d.* to the good. This was adopted. The Treasurer then proposed, and it was agreed, that five guineas be voted to the Pharmaceutical Parliamentary Fund, that a grant of 1*l.* be made to the Surrey County Association, and 2*l.* to the Middlesex County Association. The members of the Committee were re-elected for the ensuing year. Mr. Clement (Hampton) proposed that the Thames Valley District Association be divided into two sections, Middlesex and Surrey, and the funds be apportioned. He said that the conditions had been altered by the National Insurance Act, and that the district covered by the Association was the weak spot in the organisation of the Middlesex County Association. Further, the interests of Surrey and Middlesex are not identical. Mr. Bunker seconded the motion. A heated discussion ensued, during which Mr. Higgs emphatically denied that there is any weak spot in this Association. From their earliest days they had been one of the foremost, and their influence is greater to-day than ever it was. He gave statistics regarding the membership of the Association, separating those in Surrey and Middlesex, and regarding also the financial side. He strongly advised those present to vote against the motion. Mr. Cherry (Walton) followed, saying he thought the multiplication of Associations was a great mistake. The influence of a small Association was reduced to a minimum in such matters as approaching firms to gain the P.A.T.A. Mr. W. H. Fowler (Redhill), Secretary of the Surrey County Association, said that in Redhill a similar state of affairs arose in regard to local matters. This was solved by the appointment of two Committees of the Chamber of Commerce, who each dealt with matters affecting their district—in fact, home rule for each district. Mr. Palmer (Twickenham) thought that a solution of the problem would be that committees of the Surrey and Middlesex members should be formed to deal with Insurance matters, and Mr. Higgs asked Mr. Clement to amend his motion to that effect, but he declined. Messrs. Tims, Orry, Booth, and others also spoke, and on the motion being put it was lost by a large majority. Mr. C. W. Brumwell (London) attended, and spoke in regard to his candidature for the Pharmaceutical Council. Mr. Bunker advocated the candidature of Mr. Rowsell, and Mr. Clement of Mr. H. Skinner (London). A discussion on Insurance Act problems followed, and a committee was appointed consisting of Messrs. F. Harvey and A. Higgs (representing the Surrey members) and Messrs. C. J. G. Bunker and H. E. Clement (representing the Middlesex members) to consider a scheme to meet the situation as regards Insurance dispensing and the constitution of the Association.

Watford.—Mr. W. Hannaford presided at the annual meeting of the Pharmacists' Association held at the Lime-tree Hotel, Watford, on May 6. The balance-sheet was adopted. It was reported that the membership had grown to thirty-two, and that the year's work had been good. Mr. Burton Middleton has left the town, and resigned office on the County and Local Committees. It was agreed to thank him, and to appoint Mr. Neame (Bushey) in his place. The following officers were elected: *President*, Mr. R. Bennion; *Vice-President*, Mr. J. G. Fletcher; *Secretary and Treasurer*, Mr. D. W. E. Barker; *Committee*, Messrs. Tween, Sholl, A. W. Barker, and W. H. Roberts. It was agreed to arrange for a motor-trip to Windsor on June 17 or June 24.

West Ham.—A meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held at Earlham Hall, Forest Gate, London, E., on May 7, Mr. E. Miller (President) in the chair. The meeting adopted the standing orders and rules of debate which had been drawn up. Mr. Kirkpatrick referred to the fee upon malt-and-oil, which at a previous meeting it had been decided to forgo; but since then circumstances have arisen which have indicated the advisability of continuing the dispensing-fee, and he therefore suggested that the fee should be charged. Mr. Soper proposed that the resolution at the previous meeting should be rescinded; this was seconded by Mr. Evans and carried. The President then introduced to the meeting the representatives of Ucal, who attended to give addresses upon the advantages of co-operation and to explain how Ucal gives these advantages to its members. The speakers were Mr. Harold Miller (Cheltenham), Mr. F. Cherry (Walton-on-Thames), Mr. G. W. Evans (Hammersmith), and Mr. C. W. Brumwell (Euston Square). Mr. Davies (Brixton) and Mr. Milner (Greenwich) also gave their experiences. Mr. Blades, in the discussion, expressed the opinion that the wholesale drug-houses can do all for the pharmacist that can be effected by co-operation. A collection of Ucal proprietaries was exhibited at the meeting, and the Ucal representatives were thanked for their attendance.

Women Pharmacists.—A meeting of the Association of Women Pharmacists was held on May 8 at Dr. Williams' Library, Gordon Square, London, W.C. Miss Buchanan was in the chair, and there was a good attendance of members and friends to hear a lecture on *The London Docks and their Commerce in Drugs* by Professor H. G. Greenish, F.I.C. The lecture was well illustrated with lantern-slides. Professor Greenish concluded by asking for the loan of photographs bearing on the subject of drug-collecting in any part of the world, so that he might still further increase his collection. A discussion followed.

Wrexham.—A meeting of the Wrexham and East Denbighshire Pharmacists' Association was held in the Imperial Hotel, Wrexham, on May 12. Mr. C. G. Caldecott in the chair. The Secretary (Mr. J. B. Francis) stated that in the county of Denbigh all accounts for the year 1913 had been paid in full. The mean average number of insured persons in the county for 1913 was 39,856; the total number of prescriptions written was 90,487, the average cost per prescription being 7*d.* Chemists' accounts during the year

amounted to 2,829*l*. During the first quarter of 1914 the Drug Fund was seriously overspent. A local scrutiny of prescriptions is taking place, to ascertain the cost per doctor, per area, and per chemist In addition, domiciliary prescriptions are being sorted out and handed over to the Welsh Memorial Sanatorium Fund. The scrutiny up to now had revealed expensive prescribing and an additional 3,600 index cards. The Medical Aid Association, with a thousand members, is now defunct, and the dispensing will be done by the chemists. It was also reported that five doctors in the county had given up dispensing for insured persons outside the mile area. Messrs. C. G. Caldecott, L. B. Rowland, and James B. Francis were appointed delegates to the British Pharmaceutical Conference at Chester. The Parliamentary Fund was discussed, and 5*l*. was subscribed in the room.

York.—The annual meeting of the York Chemists' Association was held at the Davy Hall on May 3. Mr. J. R. Parker (President) was in the chair, and there were also present fifteen members and Mr. T. C. Atkinson (Hon. Secretary). The annual report and Treasurer's statement were received and adopted. Mr. F. C. Hey, the checker of chemists' accounts for Insurance dispensing, gave some statistics of the year's working. The number of prescriptions dispensed during 1913 was 64,385 at a cost of 2,239*l*., or an average of 8.37*d*. per prescription. The prices varied for ordinary prescriptions from ½*d*. to 9*s*. 5½*d*., and for special prescriptions from 3*d*. to 15*s*. 4*d*. A presentation of an easy chair was then made to Mr. Atkinson in recognition of the efficient way in which he had performed the duties of Secretary for the past eight years. The President made the presentation, and was supported by Mr. W. P. Saville (Vice-President) and Mr. J. A. Lupton (Treasurer). Mr. Atkinson, to whom the presentation came as a complete surprise, thanked the members for the recognition they had made of his services. A subscription of 5*l*. was ordered to be sent to the Pharmaceutical Parliamentary Fund, this not to affect individual subscriptions. The election of officers then took place—Mr. T. E. Batty being elected *President*; Mr. W. P. Saville, *Vice-President*; Mr. J. A. Lupton, *Treasurer*; Mr. T. C. Atkinson, *Hon. Secretary*; Messrs. W. Dewhurst, J. R. Parker, F. A. Newey, F. C. Hey, M. F. Burgin, T. P. Chapman, H. Chapman, and R. Grantham, *Committee*; and Mr. G. E. Walker, *Auditor*.

FESTIVITIES.

Early Closing Association.

The fiftieth anniversary of the Early Closing Association was celebrated on May 8 by a banquet at the Whitehall Rooms, Hôtel Métropole, London. The Duke of Teck was in the chair, and there was a good attendance, including members of Parliament, representatives of the City Corporation, the London County Council, provincial Corporations, the London Chamber of Commerce, and business houses. Replying to the toast of "The Early Closing Association," Mr. Winston Churchill, First Lord of the Admiralty, said he regarded the Shops Act, 1912, as the greatest disappointment and failure which he could set to his store during the nine years he had been in public life. He regarded it as a mere piece of salvage from the wreck of a measure. Mr. Churchill referred in detail to some of the difficulties he had encountered, and said that one event of the 1912 Act which would stand out was the universal compulsory statutory half-holiday. Parliament could never have done that had it not been for the Early Closing Association. Opinion was ripe, custom was established, the desire was widespread, and Parliament came in and was able to clothe all those forces with the strength of a statute. A subscription to the funds of the Association which was made at the dinner realised 2,237*l*.

Dr. McWalter Honoured.

Alderman Dr. J. C. McWalter, Ph.C., M.P.S.I., B.L., Governor of the Apothecaries' Hall, Ireland, was one of three guests in whose honour a dinner was given last week by the Corinthian Club, Dublin. Sir Charles A. Cameron, C.B., President of the Club, who presided, in proposing the toast of "The Guests" of the evening, referred to Alderman McWalter as a many-sided man. He did not know of any man, he said, who had attained a greater variety of degrees. He is a Doctor of Medicine, he is a member of the Royal College of Surgeons, he has a Diploma in Public Health, he is a member of the Bar, and now he is a member of a very ancient institution which went back to the Middle Ages—the Apothecaries' Hall. Alderman McWalter, in responding, said: "I appear before you as Governor of the Apothecaries' Hall, which was founded at least 400 years ago, and now, after all those centuries, one of the chief duties of the Apothecaries' Hall is to qualify medical practitioners for India. It is rather interesting to find that they come to us from Bengal and various Indian States. Such a number came to us that I am sorry to say we excited the hostility of certain English and Scottish bodies, and they applied to the India Office to make it less easy for Indian students to come over to Dublin. I regret to say that the India Office has been placing some obstacles in the way; but we hope to have sufficient influence with the Government to prevent British bodies, who simply object to students coming to Dublin instead of going to Edinburgh and London—to prevent these bodies putting obstacles in the way of the students. The Apothecaries' Hall is also interesting, because it obtained a medical charter through the instrumentality of the celebrated Dr. Charles Lucas, who was member of Parliament for Dublin in 1757, and who also founded the 'Freeman's Journal.' Dr. Lucas was rather a precursor of Mr. Lloyd George, and thought it was his duty to bring medical benefit home to the people. Dr. Lucas obtained for certain of my predecessors, apothecaries of the city of Dublin, power to confer licences to practise medicine in any part of Ireland, but he also laid it down that they were not to exact large fees from the people. By a recent Act of Parliament the Apothecaries' Hall obtained powers to confer licences in surgery and midwifery as well as medicine, and it now confers privileges equal to those conferred by any College of Physicians or Surgeons or by the Universities. It is interesting to find that a body like this, which received a Charter from the Irish Parliament, still continues to attract students from the ends of the earth."

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(*From the "Trade-marks Journal," April 29, 1914.*)

"Carbo-Vitæ"; for medicinal chemicals (3). By Thomas Kerfoot & Co., Bardsley. 359,711.

"Libriode"; for medicinal chemicals (3). By A. J. White, Ltd., 35 Farringdon Road, London, E.C. 359,729.

"Permadol"; for medicinal chemicals (3). By A. Bishop, Ltd., 48 Spelman Street, Mile End, London, N.E. 359,762

"Silver-Foam"; for all goods (47). By C. Flint, 269 Brownhill Road, Catford, London, S.E. 357,690.

"Tango"; for perfumery, etc. (48). By F. B. Mastin, 7 Rue Auber, Paris. 352,631.

Device of still; for perfumery, etc. (48). By Compagnie Française de L'Afrique Occidentale, 75 Whitworth Street, Manchester. 355,783.

"Dentosine"; for perfumery, etc. (48). By M. Smith & Co., Church Street, Kidderminster. 357,245.

"Nelsie's Mareposa"; for perfumery, etc. (48). By Madame Nelsie, 84A Bedford Road, Clapham, S.W. 357,310.

"Ansitia," "Avernia," "Cardania," "Issoria," "Statilia"; for perfumery, etc. (48). By Vinolia Co., Ltd., 37-38 Upper Thames Street, London, E.C. 359,656/57, 359,658/60/61.

"Myerlene"; for a hair-preparation (48). By John Myers, 4 Bouverie Street, Paddington, W. 359,686.

(*From the "Trade-marks Journal," May 6, 1914.*)

"Satch" and oval device composed of letters "S A T C H"; for radio-active chemical substances (2 and 3). By Société Anonyme de Traitements Chimiques, 3 Rue de la Gare, Saint-Denis (Seine), France. 359,464/5/6/7.

"Pavol"; for medicine (3). By W. Martindale, 10 New Cavendish Street, London, W. 358,080.

"Tango"; for cough-cure and pile-remedy (3). By H. Carr and F. H. Hudson, 23 Manvers Road, West Bridgford, Notts 358,110.

Label device, with words "Carmarole Compound"; for a medicine (3). By R. A. Sweet, Carlton House, Kingsway, London, W.C. 358,334.

"BISMESIA"; for medicinal chemicals (3). By Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, S.W. 359,357.

Device of word "CURILAX"; for a medicine (3). By S. Matthews & Co., Ltd., 19-21 Farringdon Street, London, E.C. 359,526.

"RADIETTES" and "STIMULOIDS"; for medicinal chemicals (3). By T. Kerfoot & Co., Bardsley Vale Mills, Oldham Road, Bardsley. 359,712/3.

"WONEHTAR"; for spectacles, &c. (8). By F. Krimm, 23 Hatton Garden, London, E.C. 360,064.

"AQUETITE"; for non-medicated ear-plugs (11). By A. H. Cupit, 2 Upper St. James Street, Brighton. 359,800.

Triangular device, with word "PAREX" and letter "M."; for waterproofed fabric (27 and 31); word "PAREX," for indiarubber goods (38). By S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C. 359,770/1.

Facsimile signature "TOM WARD"; for toilet-soap (48). By T. Ward, 16 Lapage Street, Bradford. 359,993.

"OLOF"; for all goods (48). By J. Knight, Ltd., Silvertown, London, E. 360,007.

Practical Notes and Formulae.

Formalised Gelatin Capsules.

THE various methods of rendering gelatin capsules insoluble in the gastric juice are referred to in the "American Journal of Pharmacy" (86, 185). Ballenger and Elder suggest the immersion of the filled capsule for one minute in a dilution of 1 part of formalin in from 40 to 60 parts of water. The capsules should be allowed to stand for two weeks after immersion before use. Another method is to place the capsules in a vessel and expose them for six hours to the action of formaldehyde gas. Mr. N. L. Smith, in a thesis presented to the Philadelphia College of Pharmacy, advises placing the filled capsules in a 10-per-cent. solution of formaldehyde for fifteen minutes, and then washing them for twenty minutes in running water. The capsules are afterwards dried in a dish in a water-bath for five hours or until free from the odour of formaldehyde.

Liquor Antisepticus.

MR. CHAS. H. LA WALL, Philadelphia, has devised the following improved formula for liq. antisepticus, U.S.P.:

Eucalyptol	5.0 c.c.
Methyl salicylate	1.2 c.c.
Oil thyme, white	0.3 c.c.
Thymol	1.0 gram
Menthol	1.0 gram
Sodium salicylate	1.2 gram
Sodium benzoate	6.0 gram
Boric acid	25.0 grams
Fluid extract of golden seal	2.0 c.c.
Alcohol	300.0 c.c.
Water to make	1,000.0 c.c.

Make the solution, reserving 60 c.c. of the alcohol to add to the clear filtrate. Kieselguhr or talc may be used as a filtering medium.

—*Journal Amer. Ph. Assoc.*

Liquor Antisepticus Alkalinus.

THIS is Mr. La Wall's improved formula for this preparation:

Sodium bicarbonate	5.0 grams
Sodium benzoate	10.0 grams
Sodium salicylate	10.0 grams
Sodium borate	30.0 grams
Thymol	0.2 gram
Menthol	0.2 gram
Eucalyptol	0.2 c.c.
Methyl salicylate	0.2 c.c.
Alcohol	40.0 c.c.
Glycerin	150.0 c.c.
Water to make	1,000.0 c.c.

Make a solution, and if it is desired to colour the solution red employ cudbear. If it is desired to employ a more resistant colour, one which will not bleach out so quickly when the coloured solution is dispensed with hydrogen-dioxide solution, the colour known as vegetable red (a sulphonated orcin) may be used.

—*Journal Amer. Ph. Assoc.*

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., May 14, 6.30 p.m.

A SOMEWHAT better general demand has been shown this week for chemicals and drugs, while there has also been an improvement in business in Japanese products, such as menthol, mint oil, and refined camphor, which are all now on a decidedly higher level, as a result of speculative operations. Opium has been dealt in more freely at primary sources for American account at advancing rates, and the alkaloids, especially morphine, are the turn firmer. Chrysarobin is again dearer and very scarce. Continued poor fishing at Finmarken enables refiners to again ask higher prices for cod-liver oil. Ammon. carb. is cheaper. Acetate products all rule low and below manufacturing costs in some instances. Citric-acid position still remains acute. Lemon, orange, and bergamot oils continue to rule in buyers' favour; star-anise oil to arrive is cheaper. Ergot, orris, and quillaia remain firm; H.G.H. peppermint oil is 3*d.* dearer. Vanilla at auction brought full prices for the small supply offered. The principal movements have been as under:

Higher	Firmer	Easier	Lower
Camphor (Jap. ref. slabs)	Calumba	Aloes (Cape)	Ammon. carb.
Chrysarobin	Cod-liver oil	Anise oil (Star) (e.i.f.)	Ammonia sulphate
Menthol	Morphine	Bergamot oil	Honey
Mint oil (Jap.)	Opium	Cloves	Petroleum
Rosin		Lemon oil	Sarsaparilla (Grey Jam.)
Sarsaparilla (Native Jam.)		Orange oil	Wax, bees' (Jam.)
		Palm oil	
		Pepper	
		Rape oil	
		Turpentine	

Cablegrams.

BERGEN, May 13.—Continually stormy weather prevails at Finmarken, the cod-fishing again being poor. Market for finest non-congealing Lofoten oil is firmer at 68*s.* 6*d.* per barrel c.i.f. terms.

NEW YORK, May 14.—Business in drugs is quiet. Opium has advanced to $6.80 per lb. Peppermint oil in tins is firmer at $4.25, and menthol is steady at $2.95. Sarsaparilla is firmer at 40c. for Mexican. So-called American saffron is steady at 60c. per lb. Belladonna-root is firmer at 11c. per lb. Buchu-leaves and Cartagena ipecacuanha are unaltered.

London Markets.

ACETATE PRODUCTS, such as acetone, acetic acid, acetate of soda, wood naphtha, etc., have all been offered for some months past at very low prices, which are said to be below manufacturing costs, and as there does not seem room for further reductions the present rates are considered attractive. Acetone has been selling at 47*s.* in contract quantities for Government specification quality.

ALCOHOL.—German potato spirit is a trifle cheaper, the large stocks of raw material pressing heavily on the market. Crops of potatoes, estimated at fifty million tons, are anticipated this season, and although lower prices were expected several months ago it is only now that signs of ease are apparent. The quotation for German

is 1*s.* 2*d.* per proof gal. (*plus* 15*s.* 2*d.* duty) in returnable drums.

Ammon. Carb.—Makers' prices are cheaper to the extent of 5 per cent., the discount now being 10 per cent., instead of 5 per cent. The current quotation is now 3¾*d.* per lb. for lump and 4*d.* for powdered in casks, less 10 per cent. discount.

Anise Oil (Star).—Arrival prices are easier, May-June shipment offering at 4*s.* 7¾*d.* c.i.f.; spot prices are from 5*s.* 8*d.* to 5*s.* 9*d.* In the drug-auction 2 cases of Chinese (congealing-point 14.7°, or B.P. quality) sold without reserve at 5*s.* 6*d.* per lb.

Bergamot Oil remains practically unaltered, 38-per-cent. esters offering at from 16*s.* 5*d.* per lb. c.i.f. and upwards.

A Sicilian advice, dated May 9, states that the market is inactive and the tendency quiet. Slight reductions were obtainable for the few parcels which changed hands during the week.

Camphor (Refined).—Japanese is dearer, the spot sales including 2½-lb. slabs at from 1*s.* 7*d.* to 1*s.* 7¾*d.*, with very little offered; to arrive, 1*s.* 7*d.* c.i.f. is quoted, business including October-November shipment at 1*s.* 6⅞*d.* c.i.f., and February-April and March-April at 1*s.* 6½*d.* c.i.f. On spot ½-oz. tablets have been sold at 1*s.* 7½*d.*, with 1*s.* 8*d.* asked, and 1*s.* 7½*d.* for 1 oz., these being Wednesday's closing prices. English bells in 5-cwt. lots are quoted 1*s.* 11*d.* In the drug-auction 4 cases Japanese 1-oz. tablets sold without reserve at 1*s.* 6½*d.*

Chrysophanic Acid.—Owing to continued scarcity of araroba this chemical has advanced further, makers quoting from 8*s.* to 8*s.* 6*d.* Second-hands have sold at 7*s.* 6*d.* and have refused further business thereat.

Cinchona.—As intimated by cable last week, the unit paid at the tender was 6.20 cents, being the same as at previous tender. The quantity offered was 11,423 bales, weighing about 997,226 kilos. manufacturing-bark, the quinine-content being 60,481 kilos.; of this quantity 8,752 bales, weighing 772,519 kilos. and containing the equivalent of 45,820 kilos. quinine sulphate, were disposed of. The average percentage of q.s. was 6.06, against 5.84 per cent. and an average of 6.12 per cent. over 1913.

Cloves.—Quiet, with sellers of fair Zanzibar on spot at 5⅞*d.*; to arrive sellers of May-July and June-August quote 5⅝*d.* c.i.f.; for June-August delivery 5²¹⁄₃₂*d.* has been paid: very little business is reported.

Coca-leaves.—Further particulars of last week's Amsterdam auction show that the total offerings—*i.e.*, the equivalent of 1,733 total alkaloids—all sold, the average unit being 15.63 cents, against 14.73 cents at the previous auction. Two cases (47 kilos.) crude Peruvian cocaine were bought in. A lot of 38 bags Java powdered offered at the London auction, and a few sales were made, including fair greenish at 2½*d.*, and common dull at 1½*d.* to 2*d.*

Cocaine.—The advance of from 6 to 7 per cent. in Java coca-leaves at auction last week has given a firmer sentiment to the market for hydrochloride.

Cod-liver Oil.—Although there is not much business to support the market, values are again 1*s.* to 2*s.* higher, in consequence of the slow progress at Finmarken. The range of values is now from 68*s.* 6*d.* to 73*s.* per barrel c.i.f. for finest brands of non-freezing oil.

Our Bergen correspondent writes on May 11 that during the greater part of last week the weather at Finmarken was stormy, and only during the very last few days was there any improvement in the fishing to be reported. The increase of the catch during this week is trifling, and far behind that of the corresponding week in 1913. The official report gives the following quantities up to May 10:

	1912	1913	1914
Catch of cod (millions) ...	79 5	57.75	64 25
Yield of c.l.o. (hect.) ...	59,500	36,000	48,000
Yield of liver for raw oils (hect.)	20,250	7,500	9,000

The market is again firmer, and the price has advanced another 1*s.* To-day's quotation for prime non-congealing cod-liver oil is 67*s.* 6*d.* per barrel c.i.f. (See cable for latest price.) The total exports of cod-liver oil from all Norway up to the end of April 1914 was equal to about 14,000 barrels, against about 15,500 barrels at the same time of 1913.

According to cabled statistics received from Norway on May 11, the catch, the output of cod-liver oil, and the quantity of livers set aside for natural oils up to the week ended May 9 is as follows:

	Catch of cod	Livers for raw oil (hect.)	Yield of c.l.o. (hect.)
Finmarken, 1914 ...	6,599,000	... 1,136 ...	5,022
do. 1913 ...	16,610,000	... 1,597 ...	10,445
Whole country, 1914 ...	64,486,000	... 9,036 ...	47,482
do. 1913 ...	57,800,000	... 7,570 ...	35,978

As will be gathered from the above official statistics, the fishing in Finmarken continues quite unsatisfactory, and the output of medicinal cod-liver oil has in consequence suffered a severe set-back. In comparison with last year's figures, the result is about one-half the quantity, which will doubtless affect prices in the near future.

Ergot remains firm, sales on the spot including Russian at from 1*s.* 8*d.* to 1*s.* 10*d.*, the latter for fine. Spanish on spot is quoted at from 2*s.* to 2*s.* 2*d.* In auction 4 bags sound Russian were held at 1*s.* 8*d.*, a bid of 1*s.* 7*d.* being refused; and 5 cases dull Spanish were retired at 2*s.* 3*d.*

Galls.—Persian are quiet at from 46*s.* to 47*s.* per cwt. for blue on the spot.

Gentian is offered at from 25*s.* to 25*s.* 6*d.* per cwt. c.i.f.

Geranium Oil.—Bourbon for May delivery is still offering at 11*s.*, the value of prompt being about 12*s.* 6*d.* Algerian is quoted at 17*s.*

Hellebore-root is quoted at about 33*s.* per cwt. c.i.f. for white and at 17*s.* 6*d.* c.i.f. for black. *Powdered* is about 40*s.*

Lemon Oil.—The tendency still continues easy, the range of quotations being from 6*s.* 8*d.* to 7*s.* 6*d.* per lb. c.i.f. according to brand, and on the spot prices vary between 7*s.* and 7*s.* 6*d.*

A Sicilian advice, dated May 9, reports that the demand continues to be dragging, and the market consequently quiet. For what little business has been done, prices ranged about last week's level, with slight fluctuations.

Lime Oil.—Privately, business has been done in distilled West Indian at 2*s.* 11½*d.*, with 3*s.* asked. In the drug-auction 15 cases good distilled from Martinique sold at from 2*s.* 9*d.* to 2*s.* 10*d.* per lb.

Linseed Oil is rather firmer, pipes on the spot closing at from 24*s.* 6*d.* to 24*s.* 7½*d.*, and barrels at 25*s.*

Reviewing the month, a London circular states that the market has eased somewhat owing to the comparatively small demand for oil, and on balance values are down about 22*s.* 6*d.* for spot and 15*s.* to 17*s.* 6*d.* per ton forward. The "spread" between spot and positions beyond August has a tendency to widen, due to the fear that when heavy shipments from the Argentine are discontinued we will see higher prices. Consumers apparently are still nervous of the future, judging by the small amount of business which is doing, but it is not impossible this is due partially to quietening of general trade. It is stated that in the U.S.A. the consumption of linseed oil this reason is less than half what it was last year. Soap-makers and the margarine houses have bought little in the last few weeks, and at least one important firm in the latter category have found it unsuitable. Stocks of oil and seed continue to increase, both here and on the Continent, and despite the fact that exports from the Plate will undoubtedly show a drop for the balance of the season, we cannot lose sight of the fact that if North America sows a large area of linseed this spring—as is promised at present—values are not likely to advance, particularly with the prospects of another record acreage in the Argentine. Much depends upon the outcome of the 1914 crops, but we look for little change in values either way in the next month or two.

Menthol.—The fact that "bears" are covering has led to a somewhat excited market during the week, which, however, closes quiet. On the spot sales have been made at from 11*s.* to 11*s.* 3*d.*, an advance of 1*s.* 6*d.* since last Friday, the higher price being paid for five cases of Kobayashi on Wednesday. To arrive a large business has been done (it is said 600 cases), principally for January-March shipment, at 13*s.* per lb. c.i.f. for equal quantities of menthol and oil, but sellers on Wednesday asked 14*s.* for this position; other sales include April-May menthol alone at 10*s.* 6*d.* to 10*s.* 9*d.* c.i.f. and oil at 3*s.* 10½*d.* c.i.f., also May-June at 10*s.* 6*d.* and oil at 3*s.* 11*d.* c.i.f.

Mint Oil.—Japanese dementholised is dearer, the spot price being 4*s.* 3*d.* for Kobayashi, an advance of 3*d.* To arrive the principal business has been in combination with menthol, which see. April-May and May-June shipment of Kobayashi-Suzuki has been sold at 3*s.* 10½*d.* to 3*s.* 11*d.* c.i.f., and June-July at 3*s.* 11*d.* c.i.f., with buyers. In the drug-auction 10 cases Suzuki were limited at 4*s.*

Morphine.—With the advance in opium makers' prices are distinctly firmer, and contract business has been done at above 8*s.* per oz. for hydrochloride.

Opium.—A good business has been done in primary markets, principally for American account, at up to 14*s.* 9*d.* per lb. c.i.f. for 11½ per cent., with 15*s.* asked. Spot holders are now asking 15*s.* 9*d.* for good Turkey druggists'. Persian is steady at from 17*s.* to 21*s.* per cwt., according to test. In regard to Turkey opium, it may be mentioned that the fluctuations during the past six months have not exceeded 9*d.* per lb. either way, this being a testimony as to the strength of the market.

H.M. Vice-Consul at Uscub, or Skoplyé, writes to the "Board of Trade Journal" under date April 24 that, owing to the cold weather last winter the opium crop of the Tikvesh district will be a total failure, and there will be no opium for export except stocks on hand. Owing to the emigration of the Mahommedans and the possibility of hampering effects caused by Servian Government regulations, the future of opium cultivation is very uncertain.

The U.S. Consul-General Anderson at Hong Kong, in a report on the Chinese opium traffic, states that the stocks of opium in Hong Kong aggregate 4,589 chests (of from 130 lb. to 160 lb. each), a decline of about 1,000 chests compared with a year ago. It is estimated that it will require a year to work off all stocks of certified opium held in Hong Kong and Shanghai. When this stock is sold the trade in the certified drug will cease altogether. In uncertified opium the Indian Government proposes to sell 14,200 chests during the current year, as compared with 19,000 sold in 1913. Reference is made by Consul-General Anderson to the great temptation to smuggle opium into China because of the fact that the value of the certified drug has risen from $940 gold to an average of $3,760 gold per chest.

Orange Oil is offered for prompt shipment at the lower price of 7*s.* 11*d.* to 8*s.* 6*d.* per lb. c.i.f.

A Sicilian advice, dated May 9, reports that some further slight reductions might be obtainable for a few parcels which are in the hands of needy holders.

Orris.—Florentine remains very firm in the Italian markets, the value of ordinary sorts being 69*s.* c.i.f. and good at 71*s.* c.i.f.

Pepper is easier, with sellers of fair Singapore at 5*d.*; to arrive Singapore for June-August and August-October shipment has been sold at 4 9/16*d.* c.i.f. d.w.; Lampong at 4 5/16*d.* c.i.f. for August-October. *White* is also easier, with sellers of fair Singapore at 8⅝*d.* and fair Mantok at 9 1/16*d.*; to arrive sellers of June-August shipment quote 8 5/16*d.*, and August-October has been sold at 8⅛*d.* and buyers. Penang for June-August steamer has been done at 6⅝*d.* c.i.f. and sellers.

Peppermint Oil.—American H.G.H. has been advanced 3*d.* per lb. to 20*s.* 9*d.*, the bulk of the stock being in the hands of one holder. Tin oil continues quiet at the previous quotations of from 17*s.* 6*d.* to 18*s.*

Petroleum is cheaper by ¼*d.* per gal., ordinary refined American offering at 7½*d.*, water-white at 8½*d.*, and Russian at 7½*d.*

Potassium Iodide.—The exports from Japan during February were 4,941 kin, valued at 32,417 yen, and for the two months the figures were as follows:

	1912	1913	1914
Kin	10.208	13 973	12,405
Yen	44,851	82,973	82. 310

The exports of *crude iodine* in February were 800 kin, valued at 3,685 yen, and for the two months the shipments were 6,818 kin, against 4,064 kin and 4,182 kin in 1913 and 1912 respectively.

Quillaia is firm, Liverpool offering at 38*l.* per ton ex store.

Saffron remains firm, best Valencia quality offering at from about 43*s.* 6*d.* per lb.

Senega is offered at 2*s.* 9*d.* per lb. net on spot. Prices at primary sources have been easier of late, but these apply to large quantities. Consumption appears to have been below average on this side.

Shellac.—Quiet and practically unaltered on the week, standard TN Orange offering at 65*s.*, and AC Garnet at 67*s.* Futures have shown more activity, the sales including May at 64*s.* to 65*s.*, August 66*s.* to 66*s.* 6*d.*, October 67*s.* to 68*s.*, and December 69*s.* and sellers.

Taraxacum.—English appears to be practically unobtainable, and the price is nominal at about 50*s.* to 55*s.* German is offered at about 47*s.* c.i.f.

Tonka Beans.—Privately, small sales of Angostura have been made at 7*s.* on spot, and for Para from 3*s.* 6*d.* to 4*s.* is quoted as to quality. In auction 2 cases good frosted Para were held at 2*s.* 6*d.*, and reddish at 2*s.*

Turpentine has fluctuated between 32*s.* 3*d.* and 31*s.* 10½*d.*, closing at the latter price, and 32*s.* 3*d.* for June-August.

Vanilla.—At auction only 46 tins offered and sold at full rates, comprising 38 tins Seychelles, fair to good, 3½ to 7½ in., 9*s.* 9*d.* to 11*s.* 6*d.*; good split, 10*s.* to 10*s.* 6*d.*; brown and foxy split, 9*s.* to 10*s.*; dry mouldy, 2*s.* 6*d.*; five tins Mauritius sold at 12*s.* 6*d.* to 13*s.* 6*d.* for 7 to 8 in. firsts, 10*s.* 6*d.* to 11*s.* 6*d.* for 5 to 7 in., and 5*s.* 6*d.* for mouldy; three tins West Indian sold at 6*s.* 3*d.* to 8*s.* 9*d.* for loose.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, May 14, 1914.

The new goods offered to-day met with a poor demand, and prices generally moved in favour of buyers. Cape aloes were mostly bought in, but where sold prices were easier. Sumatra and Siam benzoin were neglected. Ceylon-Mysore cardamoms were held above buyers' ideas, and for Indian about steady rates were paid. Calumba was the turn firmer. Gamboge was steady, while for Jamaica honey irregular but lower prices were accepted. Sound Matto Grosso ipecacuanha was steady, the bulk of the sales referring to sea-damaged, which brought very full prices. West Indian lime oil brought firm rates. Myrrh was neglected, and nux vomica pickings sold at very high prices. Rhubarb was steady. Tinnevelly senna was unaltered, and very full prices were paid for Alexandrian. Grey Jamaica sarsaparilla was 2*d.* cheaper, but Native Jamaica was fully 1*d.* dearer, especially for common quality. Jamaica beeswax was 2*s.* 6*d.* to 5*s.* cheaper, East African being steady. The following table shows the quantity of goods offered and sold:

	Offered	Sold
Aconite (Jap.)	20	0
Aloes—Cape	51	18
Zanzibar (cs.)	6	6
Ammoniacum	7	0
Anise (Russ.)	6	0
Anise oil (star)	2	2
Balsam peru	3	0
Bay oil (drm.)	1	0
Benzoin—		
Siam	31	0
Sumatra	77	11
Buchu	23	1
Calumba	327	217
Camphor	4	4
Cannabis indica	5	0
Cantharides (Russ.)	1	0
Cardamoms & seed	261	139
Cashew-nuts	24	0
Cassia fistula	23	0
Cassia oil	5	5
Chiretta	10	0
Cinchona	6	0
Coca-leaves	38	25
Colocynth	12	0
Cuttlefish-bone	24	0
Dragon's-blood	4	0
Elemi	35	0
Ergot	9	0
Eucalyptus oil	19	0
Gamboge	8	1
Guaiacum	30	0
Gum acacia	147	67
Honey—		
Cuban	61	38
Jamaica	288	270
New Zealand	19	0
Ipecacuanha—		
Matto Grosso	22	13
Kamala	2	0
Kola	3	3
Lemongrass oil	1	0
Lime-juice	21	0
Lime oil	15	15
Mint oil (Jap.)	10	0
Myrrh	32	0
Nux vomica	24	24
Orchella-weed	4	4
Orris (Mog.)	15	0
Pea nuts (China)	40	0
Rhubarb—		
China	47	12
Sandalwood chips	40	0
Sarsaparilla—		
Grey Jam.	38	38
Lima-Jam.	6	0
Native Jam.	11	11
Scammony-root	78	0
Senna and pods—		
Alex.	11	4
Tinnevelly	20	5
Strophanthus	29	0
Tamarinds (W.I.)	31	0
Tonka-beans	3	0
Tragacanth	23	3
Turmeric	76	76
Wax (bees')—		
East African	31	31
East Indian	37	0
Jamaica	22	8
Morocco	9	0
Zanzibar	6	6

Aloes.—The best lots of Cape failed to sell, 40*s.* being wanted for good firsts, and where business was done prices

were easier. Fair hard firsts (usual 20 per cent. tares) sold at 37*s.* 6*d.*; good seconds, 37*s.*; ordinary, very cindery, 35*s.* subject; and ordinary dull, slightly soft, 33*s.* 6*d.* Six bales of Zanzibar in thick papery skins sold without reserve at 58*s.* for fair hard hepatic to common dark and very skinny. The *Mantua*, from Bombay, has brought 52 kegs, and the *Briton*, from Mossel Bay, 77 cases.

Benzoin.—Quiet. Eleven cases ordinary Sumatra seconds country cut sold at from 6*l.* 5*s.* to 6*l.* 7*s.* 6*d.*, and middling seconds, with streaky almonds, at 6*l.* 10*s.* per cwt.; for fair almondy seconds 7*l.* 17*s.* 6*d.* was wanted; 34 cases Siam were bought in, comprising bold pea and bean size, free almonds, at 20*l.*

Buchu.—A single bale of fair green round, slightly stalky, sold at 5*s.* 2*d.* Good green were held at 5*s.* 4*d.*, and small green, part very stalky to slightly stalky, at from 4*s.* 9*d.* to 5*s.* per lb. Fair green longs were limited at from 4*s.* 2*d.* to 4*s.* 3*d.*, and ovals at from 2*s.* 3*d.* to 2*s.* 6*d.* for yellowish to greenish.

Calumba.—Rather firmer, 217 bags of small to bold fair natural sorts selling at from 15*s.* 6*d.* to 17*s.* 6*d.* per cwt.

Cannabis Indica.—The price of true Bombay tops remains 6*s.* 6*d.*, but it is possible that for quantity 6*s.* 3*d.* would be accepted.

Cantharides.—For a case of fair green Russian 7*s.* 6*d.* per lb. was wanted.

Cardamoms.—The chief offerings consisted of Indian from Tuticorin, which all sold at about steady prices, as follows: Extra bold palish, 5*s.* 2*d.* to 5*s.* 4*d.*; medium to bold ditto, 4*s.* 10*d.*; bold medium, 4*s.* 7*d.*; small to medium palish, 3*s.* 9*d.* to 4*s.* 1*d.*; bold long brownish, 3*s.* 7*d.* to 3*s.* 10*d.*; medium brownish, 3*s.* 3*d.*; small and medium, 2*s.* 10*d.*; brown and split and pickings, 2*s.* 6*d.*; seed, 4*s.* 1*d.*; Mangalore character, bold to extra bold pale round, 4*s.* to 4*s.* 7*d.*; bold and medium round ditto, 3*s.* 9*d.* to 3*s.* 11*d.*; long ditto, 3*s.* 9*d.* to 3*s.* 11*d.*; reds and splits, 2*s.*; various small and odd lots, 2*s.* 10*d.* to 3*s.* 11*d.* Ceylon-Mysore were neglected. 25 packages Ceylon-Malabar in second-hands sold without reserve at 2*s.* 7*d.* to 2*s.* 10*d.* for small to medium brown, seed selling at from 3*s.* 3*d.* to 3*s.* 6*d.*

The exports from Ceylon from January 1 to April 20, 1914, were 132,847 lb., or 21,164 lb. less than at the corresponding period of 1913. The U.K. receipts increased from 58,256 lb. to 73,693 lb., but the German figures fell from 38,125 lb. to 18,788 lb. this year, as also those of the U.S.A. from 19,815 lb. to 15,370 lb. India fell from 15,060 lb. to 5,408 lb.

Cassia Oil.—Five cases 81-per-cent. cinnamic aldehyde sold without reserve at 3*s.* 2*d.* per lb.

Eucalyptus Oil.—For 19 cases analysing 62 per cent., 1*s.* 2½*d.* was wanted.

Gamboge.—A single case of good Siam pipe, slightly blocky, sold at 13*l.* 10*s.* per cwt.

Guaiacum.—For good clean glassy block 1*s.* 8*d.* was wanted, and 9*d.* for fair, slightly drossy block, part loose; 27 packages inferior to common were bought in at from 2*d.* to 6*d.* per lb.

Gum Acacia.—Eighteen bales of fair glassy hard Sudan sorts of Aden character sold at 32*s.* 6*d.*, and a bale of Ghezireh went at 20*s.*; 28 bags sold without reserve at 21*s.* for small dusty reddish Ghezireh character.

Honey.—Importers of Jamaica are meeting the market, and the good supply offered found buyers at an irregular decline of 1*s.* per cwt., the following rates being paid: Good to fine clear amber liquid, 27*s.* to 29*s.* 6*d.*; fair to good fair amber liquid, 23*s.* to 26*s.*; and common dark brown to darkish liquid, 17*s.* to 19*s.* *Set*—good pasty pale (cases), 31*s.* 6*d.*; pale set and setting, 23*s.* 6*d.* to 24*s.* 6*d.* The bulk of 61 tierces Cuban sold, comprising fair to good set white at from 20*s.* to 22*s.*, fair to good liquid amber at 21*s.* to 24*s.*, and ordinary brown setting at 17*s.* 6*d.* For 19 cases good set white New Zealand 45*s.* was wanted, a bid of 41*s.* being refused.

Ipecacuanha.—Matto Grosso is about steady, a bale of dull leanish sound selling at 8*s.* 3*d.* The chief sale consisted of 12 bales slight to badly sea-damaged Matto Grosso, which sold on underwriters' account; slightly sea-damaged realising 7*s.* 8*d.* to 8*s.* 4*d.* for fair to good stout, badly sea-damaged and partly black from 5*s.* 1*d.* to 6*s.* 11*d.*

Nux Vomica.—Dearer. The only lot offered was 24 bags Madras pickings, for which the high price of 11*s.* 6*d.* was paid.

Orchella-weed.—Four bales sea-damaged sold on underwriters' account at 4*s.* 8*d.* per cwt.

Rhubarb.—Quiet. Seven cases of medium to bold flat bright-coated High-dried, with three-quarters good pinky fracture, sold at from 1*s.* to 1*s.* 1*d.* per lb., being steady. A box of Shensi pickings sold at 3*s.* per lb. Bold round orange-coated Shensi with three-quarters good pinky fracture, and one quarter grey and dark, was limited at 4*s.* 9*d.*; medium size sold privately at 4*s.* 6*d.* For bold round Canton, with three-quarters pale pinky fracture, 3*s.* 6*d.* was wanted, the same price being asked for small and trimming-root. Horny rough High-dried was limited at from 10*d.* to 11*d.*

Sarsaparilla.—Grey Jamaica, of which 38 bales offered, was about 2*d.* to 3*d.* per lb. cheaper, fair grey selling at 1*s.* 8*d.* (one lot 1*s.* 9*d.*), and coarse part slightly sea damaged at 1*s.* 7*d.* Native Jamaica, on the other hand, was fully 1*d.* dearer. 11 bales being offered and sold, including fair red selling at 1*s.* 2*d.* to 1*s.* 3*d.*, dull red and yellow mixed 1*s.* 1*d.*, and ordinary yellow 1*s.* to 1*s.* 1*d.* For six bales fair Lima-Jamaica 1*s.* 6*d.* was the limit, a bid of 1*s.* 5*d.* being refused. Privately Honduras is now unobtainable on spot, and Mexican is held for 1*s.* 3*d.*

Senna.—Three bales of good bright pale Alexandrian pods sold at 1*s.* 3*d.* Six bales fair greenish slightly broken Sudan leaf sold at 10½*d.*, and broken mixed with siftings sold at 8*d.* per lb. Five bales Tinnevelly pods sold at from 1½*d.* to 1¾*d.* for darkish to fair; 2*d.* was wanted in another instance for 15 bales.

Tamarinds.—Firm. Six barrels Nevis sold at 14*s.* for fair bright, and for ten barrels fair Barbados 15*s.* was paid.

Turmeric.—A lot of 76 bags part slightly wormy and sea damaged Bengal finger sold without reserve at from 11*s.* to 12*s.* Privately good Madras finger is worth from 16*s.* to 17*s.*, being scarce, the bulk of what is offered being fair to common.

Wax (Bees').—Jamaica was from 2*s.* 6*d.* to 5*s.* per cwt. easier, nine packages selling at from 9*l.* to 9*l.* 2*s.* 6*d.* for fair brown and red mixed. East African was steady, 31 blocks selling at 7*l.* 15*s.* for fair yellow block, part slightly drossy. A bag of Zanzibar sold at 7*l.* 15*s.* for fair slightly drossy block, and a bag of ordinary went at 7*l.*, four bags of broken crumbly ball fetching 7*l.* also. The Liverpool market remains firm, with little offering. Gambia is 8*l.* 10*s.*

Heavy Chemicals.

The conditions in the heavy-chemical market continue much the same as recently reported, and there is little of special interest to draw attention to. The market is rather quiet, and inquiries on miscellaneous account are rather on the low side, but contract demand keeps fairly regular. There is a certain briskness with regard to export, but only in certain directions, quietness being the case in other quarters. Values nevertheless are well maintained practically at unaltered rates.

Sulphate of Ammonia.—Prompt parcels are only moderately well taken up, and the market is weak, with very little new business doing. Prices are lower, and present nearest are as follows: London, 25-per-cent., 11*l.* 2*s.* 6*d.*; Leith, 12*l.*; Liverpool, 11*l.* 17*s.* 6*d.*; and Hull, 11*l.* 16*s.* 3*d.* Forward business could probably be done at 5*s.* per ton less.

Bichromates of Potash and Soda continue to move fairly well, though the soda salt has scarcely been doing so well as the potash salt. Values remain unchanged, and stand for English and Scotch deliveries at 3½*d.* and 3*d.* per lb. respectively, usual terms. Export ¼*d.* per lb. less.

Alumina Products.—Home and export demand keep up well, and values are maintained. Crystal alum, lump, 5*l.* 17*s.* 6*d.* to 6*l.* 12*s.* 6*d.*, and ground, 6*l.* 12*s.* 6*d.* to 7*l.* 7*s.* 6*d.* per ton, on rails Lancashire or Yorkshire, or f.o.b. Hull, Goole, or Liverpool. Sulphate of alumina, purest qualities, practically free of iron, 5*l.* to 5*l.* 10*s.* per ton for ordinary strength in casks, with usual allowances for

ose slabs and customary extras for higher concentrations. luminoferric 52*s.* 6*d.* to 60*s.* and aluminous cake 52*s.* 6*d.* 60*s.* per ton, according to quality, quantity, and destination. Hydrate of alumina, purest quality and high strength Al_2O_3, 12*l.* 10*s.* to 13*l.* 10*s.* per ton, free on rails in casks. Dried pulp hydrate of alumina, lump, about 50 per cent. Al_2O_3, 35*l.* to 36*l.*, and ground 37*l.* 10*s.* to 38*l.* 10*s.* per ton. luminate of soda, purest quality and high strength Al_2O_3, 7*s.* 6*d.* to 30*s.* per cwt. Carbonate of alumina, 30*s.* to 2*s.* 6*d.* per cwt.

Manchester Chemical Market.

May 12.

The attendance on the Chemical Exchange to-day was of ir dimensions, and, if anything, we should say there was slightly better feeling in heavy chemicals. Bleaching-owder meets with fair inquiry on export account at . 2*s.* 6*d.* to 5*l.* 7*s.* 6*d.* per ton, softwood casks on rails, ith extra price for export. Caustic soda sells freely at . 7*s.* 6*d.* to 9*l.* 12*s.* 6*d.* for 70 to 72 per cent.; other grades out 20*s.* per ton lower. Crystal carbonate steady at . 5*s.* per ton in 2-cwt. bags f.o.r. Bicarbonate of soda eady at 5*l.* per ton, on rails in kegs. Soda crystals, 40*s.* 45*s.* per ton. Phosphate of soda quiet at 9*l.* 10*s.* per n. Ammonia alkali dull at 47*s.* 6*d.* to 50*s.* per ton, in bags rails at works. Permanganate of potash in better request. lphur quiet: flowers, 8*l.* 15*s.* in 2-cwt. bags; rock, 6*l.* 5*s.* 3-cwt. bags f.o.r. at works. Sulphate of copper again ows a declining tendency at 22*l.* 2*s.* 6*d.* per ton prompt livered Manchester. Coal-tar products quiet. Sulphate ammonia 5*s.* per ton lower. Carbolic acid and benzols in oderate inquiry only

Continental Drug and Chemical Markets.

Acetic Acid, after a period of low prices, seems to be oving towards better rates, as the prices asked by the ited factories are about m.4 higher since the beginning the year. This increase may probably be put down to e fact that the united factories may have arrived at understanding with "outsiders."

Cascara Sagrada.—In consequence of a better demand iees have improved, and for last year's crop m.72.50 has en paid, and for old m.85 per 100 kilos. ex Hamburg rehouse.

Cevadilla is firm, with small supplies of dark ripened d, and offers from primary sources continue to be high. e unsold stock in Venezuela is reported to be about bags.

Citric Acid is firmer. For delivery m.460 and for spot amburg) m.465 per 100 kilos. has been paid. As the fac-ies can only cover themselves in raw material at very high ees, it seems that a further increase must be looked for.

Ergot.—The stocks of the last Russian crop are decreasg considerably, so that orders given there have lately not n considered. Market position is firmer, especially as is reckoned that at the present cheap prices little attenn will be given to the drug by collectors. Spot (Hamrg) is still offered cheaply at m.2.90 per kilo. ex Hamburg rehouse. Spanish remains high in price at m.4.50 per lo. net cash.

Galangal.—Stocks in the producing country are small, l shipments small also. Spot (Hamburg) is also very rce, so that the lots arriving are mostly disposed of while at. Market therefore shows a rising tendeney, espelly as offers for shipment from China are considerably her.

Ipecacuanha.—Matto Grosso is firmer at from m.18.50 to 8.75 per kilo. Cartagena, on the other hand, is still leeted.

Manna.—The reserve which consumers have shown in ering their requirements after the high prices of the few years has resulted in a further decline, and the g is now very low. It is still possible, however, that tations may fall a little further, as owners will eavour to dispose of their stock before the new crop.

Mullein-flowers are becoming scarce, the last crop ing been rather small on account of the continued rain the various districts; good medium quality is almost rely wanting. Prices have consequently risen considery, and only the new crop can bring back quotations to r normal level.

American Drug Market.

New York, April 29.

hough there has been some improvement in a few direcs, only a small volume of business was recorded in the g-market within the past month, because of a growing nation on the part of a majority of consumers to curtheir purchases to hand-to-mouth proportions until red that the outlook in the industrial world has been cleared of all legislative possibilities tending to restrict operations in many heretofore legitimate directions.

Aloes.—The demand for Curaçao continues small and moderate. Previous quotations of from 8c. to 10c. were repeated.

Belladonna.—Leaves are scarce and almost unobtainable, being quoted at $1.00 to $1.25 per lb.

Buckthorn.—A seasonable increase in demand for this bark caused an advance in price. Holders are asking 6c. to 7c. for true bark.

Canada Balsam is in small supply, and the market, though quiet, is firm at $12.00 per gal. for true. Oregon is still being offered at $1.00 to $1.30.

Cascara Sagrada is meeting with a fair demand, and remains steady at from 8c. to 10½c., according to grade.

Citric Acid is practically unobtainable. Holders of small lots are asking 63c. to 68c. per lb. in barrels.

Copaiba.—South American is moving quietly at 42c. to 47c., with Para offering at 47c. to 50c.

Cubebs are strongly held at from 40c. to 42c. for ordinary, and 42c. to 44c. for the XX description and for the powdered grade.

Guarana is very firm, and probably will be higher; holders are asking $3.00 per lb.

Ipecacuanha.—Cartagena is active, and prices have advanced to $1.55 and $1.60. Rio is in little request, and is available at $2.10.

Jalap.—Owing to the situation in Mexico, all quotations have been withdrawn.

Lemon Oil.—Only a moderate business is yet reported in this oil, despite the season. Prices range from $2.45 to $2.60, according to grade.

Peppermint Oil (American).—A virtual extinction of stocks in the West and a reduction of spot supplies have combined to advance the price to $4.25 in tins. A further rise is likely before the new crop becomes available.

Saffron (American).—A seasonable demand has caused an advance of 7c. per lb., making a revised quotation of 55c. to 56c. A further advance is contemplated in the near future.

Sarsaparilla.—Difficulty of making shipments of the Mexican root from primary sources has curtailed the export to New York. Prices have been raised to 30c., and in some instances to 35c. The Honduras description is still strongly maintained at 45c. to 50c. as to quality.

Wintergreen Oil.—True leaf is higher, and is offered at $4.25. Birch has also advanced, and is now quoted at $1.40.

Mexican Produce.

As a result of the troubles in Mexico several items of drug-produce are now held for much higher prices, particularly Vera Cruz sarsaparilla, scammony-root, and jalap. Sarsaparilla, the normal price of which is about 4½*d.* to 5*d.* per lb., is now worth 1*s.* 3*d.* per lb. on the spot and 1*s.* 3*d.* c.i.f., the shipments from Mexico having practically ceased, and New York stocks are being drawn upon. Jalap, the demand for which is limited, is represented by a London stock of about 187 bales, which is less than normal. The drug has, however, appreciated more on the Continent and in the U.S.A. than in London, likewise Mexican scammony-root. Vanilla is one of the principal Mexican products, but the United States takes practically all the output, and seldom is any seen on the London market. Bourbon vanilla (the chief markets for which are Paris and Bordeaux) has succeeded in getting a strong foothold in the United States for several years past, and keenly competes with Mexico. Should the revolution cripple the local industry, the possibility is that the Bourbon beans will come more into favour in the U.S.A. Chicle, which enters largely into chewing-gum, is solely a Mexican product, but it is not anticipated that future supplies are in jeopardy, as the large consumers are well covered. So-called American saffron is a product of Mexican origin which has no vogue on this side. Petroleum ranks as the most valuable Mexican industry. American and British enterprise having largely assisted the development, but the output is not such as to so far affect the general market for petroleum oil.

The imports of drugs, chemicals, and apothecaries' wares into British South Africa during January amounted in value to 83,000*l.*, as compared with 78,000*l.* in 1913 and 83,000*l.* in 1912.

Morphine in Persia.—The "Board of Trade Journal" makes the announcement that the Persian Government have decided to prohibit the importation of morphine into Persia. Chemists of repute, possessing diplomas, will, however, be allowed to import morphine for medical purposes, provided that they give an undertaknig not to sell it for other than such purposes.

Correspondence

Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Income-tax on Insurance Dispensing Profits.

A Provincial Chemist (223/52) sends us the subjoined profit-and-loss accounts for the years ended March 1913 and 1914 as being of interest to readers, since they show an enhanced profit for last year due to the increased trade brought about by the Insurance Act. Our correspondent's business is of the mixed retail type in a large village about three miles from an industrial centre.

Year ended March 1913.

To Purchases	£1,065	7	3	By Sales ...	£1,682	12	2
Credits 1912	125	18	9	Credits ...	229	18	9
Debits 1913	172	18	0	Debits March 1912 ...	124	18	0
Gross profits	673	4	11				
	£2,037	8	11		£2,037	8	11
To Wages ...	£29	10	9	By Gross profits	£673	4	11
Rent, rates, insurance	49	10	3				
Gas, electricity, water	14	19	6				
Carriage ...	10	14	5				
Trade expenses ...	10	2	9				
Repairs and renewals ...	9	17	3				
Advertising ...	0	15	0				
Bank charges	8	14	11				
Net profit ...	539	0	1				
	£673	4	11		£673	4	11

Year ended March 1914.

To Purchases	£1,364	13	5	By Sales ...	£1,907	2	3
Credits March 1913 ...	229	18	9	N.H.I. ...	259	12	10
Debits 1914	220	17	10	Credits ...	333	9	10
Gross profits	857	12	11	Debits March 1913 ...	172	18	0
	£2,673	2	11		£2,673	2	11
To Wages ...	£60	0	1	By Gross profits	£857	12	11
Rent, rates, insurance ...	48	5	9				
Gas, electricity, water	22	4	4				
Carriage ...	13	17	6				
Trade expenses ...	9	2	9				
Repairs and renewals ...	13	13	8				
Advertising ...	1	18	6				
Bank charges	6	11	4				
Net profit ...	681	19	0				
	£857	12	11		£857	12	11

Purchases.

	1912-13.	*1913-14.*
Drugs	£221 13 4	£339 1 2½
Sundries	93 4 9	136 6 7
Patents	304 11 8	329 4 10
Heavy drugs and chemicals ...	269 9 1	247 12 0

Sir,—My sympathies are with the Income-tax Surveyor when he suggests that these big amounts being paid to certain men are surely liable (in some part) to a tax. We hear of chemists whose quarterly accounts reach up to 100*l.*, 150*l.*, 200*l.*, and there must be heaps of men with accounts of 40*l.*, 50*l.*, or 60*l.* per quarter. Taking a rough average of the three classes of accounts, it must run to 100*l.*, 300*l.*, or 500*l.* per year.

Suppose we deal with a man doing 400*l.* a year. There is no secrecy about it. The Surveyors of Taxes are bound to see the returns from each Insurance Committee if they wish, and naturally, taking (say) Mr. Evans, of Wales, who has been paid 400*l.* for the year just finished, the I.R. man will want to see some mention of that when Mr. Evans, of Wales, sends in his yearly returns. Last week a Welsh chemist gave his year's figures in the *C. & D.*: very neatly and reasonably done. He says:

	£162 year's total.
Less	20 still due.
	142 cash paid.
Less	84 fees and cost of drugs.
	58
Less	24 working expenses.
	£34 net profit.

But if he gets the balance due of 20*l.*, then his net profit will be 54*l.*, which is just one-third of 162*l.*—that is, 33⅓ per cent. of net profit. Clearly your Welsh friend is doing the work himself (as I do), therefore he gets all the profit there is to get—and deserves it. But suppose he had to engage an extra man at 80*l.*, then he would be 26*l.* the loser, because his net (even after full payment) is only 54*l.* [As a matter of fact, last week's correspondent has now engaged an assistant.—Editor *C. & D.*] Will the surveyor believe him when and if our Welsh friend says he has made a loss? Let us return to the man who does the 400*l.* a year. Admitted that only in rare cases can a man do so much without extra help. If he kept an assistant before and still made 300*l.* a year net then he and his one man could easily do the 400*l.* of Insurance work, which (if his other trade kept up) would mean a clear extra to him of at least 100*l.* a year net making his income 400*l.* a year net after allowing, say, extra wages to his one man for the extra work being done. Suppose he admits that extra 100*l.*, and is charged 9*d.* in the pound (=3*l.* 15*s.*), how is the surveyor to know where he is when perhaps two or three other men in the same district all claim to have made actual losses on the year's Insurance working?

I could see all this years ago. Some men won't see it for, say, three more years, by which time they will want to agree with me when I say that Insurance work will not pay for the wages of men, unless it is done as a side line which does not need special extra help. Insurance work pays me all right, but then I prepared for it. I anticipated the difficulties, and now I am raking in an stray shekels there are about; but I am tied hand and foot to my business, just as I knew I would be. Last year at June 30 I had only six months' Insurance work to go on; this year I have a full year at June 30. And so far my theories are working out all right as usual, because I took great trouble over my theories, and then the actual work gives me all the less trouble. Anyhow, the days of "rule books" are over, and men who have made but a poor profit or no profit on Insurance work will need something more than their bare word if they are to prove to a surveyor of taxes that 400*l.* of extra trade has only brought in 30*l.* net profit (as it might do), after paying 100*l.* a year to a man to do the new extra work. I am waiting for the fighting to begin; but all of us ought to be thankful that the days of the graduated income-tax are here, when so much of our turnover is public property and on a narrow margin too. Budgets of the last few years have treated us very well, and naturally the surveyor will expect in return some closer figures when we come to admit our yearly taxable profits. In the case of a chemist making 400*l.* net profit, he is exempt as regards 160*l.*, may get 80*l.* off for four children, and 30*l.* for life insurance premiums, leaving 130*l.* to be taxed at 9*d.* in the pound, or 14*l.* 17*s.* 6*d.* Really only about 3*d.* in the pound on his total income. All the same, I don't sh

any tears for the men who pay 2*s.* 6*d.* in the pound on 8,000*l.* yearly. If ever I make even 800*l.*, I won't ask your sympathies; and at 8,000*l.* or 80,000*l.* (and there's a lot of them), I don't think even 5*s.* in the pound a bit too much. JAY MACK.

Insuranee Payments.

SIR,—One can feel sorry for the Birmingham chemists, but we in Leeds have just as much need for sympathy. We received our cheques this week—we had been hoping to receive at least 80 per cent., and our hopes sometimes reached 90 per cent.—but there must have been some sad disappointments in Leeds when we only received 50 per cent. This, combined with the 20 per cent. still owing on last year's account, makes it a most serious question, and our Committee still keep on urging us to "be patient." The only way to remedy this is for the whole community of chemists to organise immediately. Surely if by such means the doctors got their demands met we ought to be able to do likewise. But this can only be done by the united effort of all the chemists in the country. May I ask the opinion of others either in Leeds or elsewhere who have suffered as much as we have?

Yours faithfully,

LEEDS CHEMIST. (219/47.)

Assistants' Qualification Bill.

SIR,—At last meeting of Council the President is reported to have said in discussion on the above-mentioned Bill, "He had no idea of submitting such a Bill to Scotland for approval or rejection." No one supposes that the Executive has any such power; but it is the body specially elected to represent Scottish opinion, and it is a graceful and probably a politic proceeding to ask its opinion on matters affecting Scottish pharmacists. Not only does Scots law differ from English, but there are differences in trade conditions, custom, and sentiment which are well worthy of consideration, whether Mr. White thinks so or not. It may not be many years before Scotland has a considerable measure of self-government. That might be a favourable opportunity for splitting the Pharmaceutical Society of Great Britain into two. Possibly that is what some members of Council desire.

Yours very truly,

D. B. DOTT.

The Position and the New Grant.

SIR,—I suppose it would be comparatively easy to say how much the doctors get out of the Insurance Act. Several millions of pounds are divided up among the medical fraternity. You are no doubt well within the mark when you say that the medical men will get more positions and a good slice of the new grant. "Here's richness," said Mr. Squeers, alluding to the plump ripeness of Master Whackford. "Yes," says Newman Noggs, "he's got it all; God help the others." What are chemists to do? What will Mr. Glyn-Jones do? In reply, chemists should not take any less than the agreed Tariff; therefore, in any future contract the objectionable "discount" proviso should be deleted. Ours is a trade, a commercial transaction. No floating sum can affect us. If we can secure revision of the rates from time to time this is all we can expect. A remedy which might be easily reached, perhaps, for the underpaid localities would be a pooling of accounts all the country over, so that one part balances the other. In such an event the doctors might be left to fight, or toss, for the odd sixpence. The notion of discounts and the mere acquiescence in the same—though no doubt few chemists thought it would ever reach such a pass—is almost too preposterous for words. What will Mr. Glyn-Jones do? I do not think we may expect much solid help here. No doubt the hon. member will do his best for the trade, but he is not likely to carry this further than a modest reminder. The fact is we want two members. Our best fighting representative as things are would be one of a different political colour. Is Mr. Glyn-Jones able to speak with sufficient authority? No doubt the Society backs him up, but I am not sure that that takes us very far.

Yours, etc.,

Nottingham, May 11. J. P. (221/30.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Glucose and Diabetes.

"I have had several cases of diabetic patients to dispense for under the National Insurance Act, and from conversations I have had with them it has occurred to me that the probable cause of this dreaded illness is the use of glucose or acid-glucose. Beer made with glucose, chocolate containing artificial sugar, and the juice of tinned fruits prepared with artificial sugars are among the articles which have been used by the patients referred to. The acid, or traces of acid, left in the glucose may transfer its properties of converting starch into sugar to the hydrochloric acid present in the digestive ferment, with the result that all starchy food is converted into sugar; and as sodium bicarbonate in large doses seems to act beneficially in these cases, I considered this a probable clue to many cases. The remedy is to use pure cane sugar in all chocolate, tinned fruits, etc.; otherwise to have all glucose and sugar-substitutes certified free from acidity. I should like to have other views on the subject."—*Seeker of Information* (222/15).

Jay Macksims

(as he writes them).

1. We are asses under a multiple burden, sure enough.
2. Our trade history is a list of burdens.
3. The majority (? of our craft) prefer burdens.
4. The B.P. has been a costly burden, "Yet only one man objected to the B.P. burden," said Gilmour, of Glasgow, at the 1913 Conference.
5. "Coalition" compulsory between wholesale and retail.
6. Rexall and Ucal have hastened "coalition."
7. Disorderly "returns" will be a hard nut to crack in October.
8. Warnings like the Manchester house about potassium carbonate are good.
9. More traps for the unwary by the inspectors, without any benefit to the public.

One cannot help but marvel at the persistence of the food and drugs inspectors to justify their existence by continually working on the traps set for the unwary by our wretched B.P. A few years ago the inspectors did actually do the trade and the public a service by showing up (1) quinine-wine, (2) extract of meat, and (3) compound liquorice-powder, which were being made of spurious ingredients to the point of criminality. But does anybody contend that all the miserable scalp-hunting on sweet nitre and blue ointment have done the public any service?

Dispensing Difficulties and Notes.

Readers are advised to consult "The Art of Dispensing" in regard to difficulties of compounding. We welcome fresh problems for experiment and elucidation in this column, and invite the co-operation and correspondence of dispensers.

A Salicylic Mixture.

Ammon. bromidi	gr. x.
Sodii salicyl.	gr. v.
Phenazon.	gr. iij.
Caffein. cit.	gr. v.
Spt. chlorof.	ɱxv.
Syr. aurant.	ɱxxx.
Aquam ad	3j.

M. Mitte 3viij.

SIR,—We find on dispensing this script a flocculent crystalline deposit is formed after standing a little time. The salts were dissolved separately and mixed cautiously, then spt. chlorof. and syr. aurant. (diluted) added. What would you suggest the deposit is, and should same be suspended?—*S. S.* (216/17.)

[The flocculent precipitate which occurs in this mixture consists of salicylic acid, which is liberated from the sodium salicylate by the citric acid set free by the dissociation of the caffeine citrate in presence of water. Pure caffeine forms a soluble compound with sodium salicylate. Of this most prescribers are aware. The writer of the above prescription has most likely forgetfully written caffeine citrate instead of caffeine. The mixture can be dispensed clear without interfering with the caffeine content, either by using the equivalent (2½ gr.) of pure caffeine or adding just sufficient sodium bicarbonate to neutralise the free acid. We think the latter procedure preferable to suspending the flocculent precipitate. A note should be made on the prescription to guide later dispensers of the mixture; and the prescriber, if in reach, should be diplomatically made acquainted with the circumstances.]

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

Justitia (210/51).—Employers are not permitted to deduct sickness-benefit payments to employés under the National Insurance Act from the wages of such employés, unless under the conditions made in accordance with Section 46 of the principal Act. These conditions only apply in exceptional cases.

M.P.S. (221/7).—The position of doctors' dispensers of three years' experience was very fully discussed in the *C. & D.*, April 11, pp. 50 and 51, to which we ask you to refer. There is no doubt of the fact that a place devoted entirely to Insurance dispensing is a "shop" within the meaning of the Pharmacy Act; indeed, it is a condition of going on the dispensing panel that the person or company so recognised is legally qualified to conduct the business of a chemist and druggist in accordance with the Poisons and Pharmacy Act, 1908.

A. B. (201/30).—You will find full information in regard to the use of methylated spirit for the manufacture of medicines, including veterinary medicines, in the *C. & D. Diary*, pp. 497-498. It is necessary in any application for the use of industrial methylated spirit in such manufactures to submit the formula to the Commissioners of Customs and Excise. It is, of course, not divulged by them. Only persons licensed to retail methylated spirit require to ask the permission of the Commissioners for the use of mineralised methylated spirit in manufactures.

P. O. (76/29) asks the following questions: (1) "Is it, in your opinion, advisable for the man with small capital to register name of proprietaries when they are for mail-order business?" [If the name is original, and invented, and registrable, it certainly should be done.] (2) "What would be approximate cost of registering two proprietaries?" [The minimum cost of registering one trade-mark in one class is 30*s.* Extras are incurred—as, for example, in supplying blocks to illustrate the mark if advertised in the "Trade-marks Journal," and if there is opposition further expense is incurred.] (3) "Would you advise chemist to register them himself; or would it be better to place in agent's hands?" [A person with no experience of the registration of trade-marks would be well advised to employ an agent.]

Party Wall (222/25).—A owned two adjoining houses. In the wall dividing the two yards there is a door. A let one of the houses to B, and informed him that there was a right of way through the door in the wall. Some time later A sold the other house to his son C, and shortly afterwards A sold the first house to B. In the deed of transfer to B it is expressly stated that there is no right of way through the door, and that the door must be blocked up within six months. Before signing the deed B objected to the clauses referred to, and A suggested that some arrangement might be come to with C as to the use of the door, which, however, has not been done. B wishes to know whether the right of way is destroyed, and what would be the penalty for failing to block up the door. The walls are party walls; but if B bricks up the door, will that part of the wall be his exclusive property? [In our opinion, B has lost his right to pass through the door in the wall, which right was apparently conferred by licence rather than by a right of way in the true sense of the word. If B has agreed to brick up the door, his failure to do so may render him liable in damages to the person, if any, capable of enforcing the agreement. If the doorway is bricked up, the new brickwork will become part of the party wall, and not B's property alone.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

J. B. (221/13).—Calomel is a perfectly safe alterative for children, and is not a scheduled poison. You will find numerous formulas in "Pharmaceutical Formulas" for such powders and for hair-pomades.

J. O. E. (215/17).—According to the symptoms given, the horse has got worms of the œstrus or diptera order, Gad or Bot Fly, with which there is intense pain at intervals, due to the parasites boring into the walls of the stomach and intestines. The loss of appetite, lumps under the skin, etc., are all secondary to the disease. Treat as follows. Give on an empty stomach:

Antim. tart.	...	...	...	5j.
Ferri sulphat.,				
Aloes barb.	...	...	aa.	5ij.
Ext. filicis maris	...	...	...	5j.
Excipient.	...	...	...	q s. ut fiat bolus

A few days after give the following:

Ferri sulphat.	...	...	...	5j.
Acid. arseniosi	...	...	...	gr. v.
Pulv. nucis vom.	...	...	...	3j.
Antim. tart.	...	...	...	3ss.
Pulv. gentian. et zingib.			aa.	... 5ij.

Fiat pulvis.

To be continued for, say, six days, after which the following can be given:

Tr. asafetidæ	...	...	...	5ij.
Ol. tereb.	...	...	...	5j.
Ol. lini	...	...	...	3xvij.

Fiat haustus.

Enemas of lime-water or salt water should also be given daily until a cure is effected. The lumps on the skin should be washed with warm water and a little acid. carbolic. or the like, and dressed with an antiseptic and astringent lotion or ointment.

H. J. (221/32).—You will find in our last Educational Number the approximate cost of qualifying as a medical man. The amount varies with localities and medical schools, the minimum being about 450*l.* for the five years' outlay—*e.g.*, 450*l.* in Aberdeen. Education and examination fees and incidentals 150*l.*, personal outlay (clothing and keep) 300*l.* For other provincial cities at least 50*l.* more would be necessary, and for London 100*l.* more. It is possible to earn something during the curriculum; in fact, we know a distinguished medical man who went through his curriculum on his wages as a chemist's assistant, scholarships and fees for tuition, these not only paying for him, but they kept his wife and two children. "Where there's a will there's a way."

Phil (222/72).—The weekly wages of unqualified chemists' assistants, who are permitted by the National Insurance Act, 1912, to dispense for panel chemists, vary according to the district from 35*s.* to 50*s.* per week outdoors, and about 10*s.* per week less indoors.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 14, 1864.

Trade Report.

London, May 12, 1864.

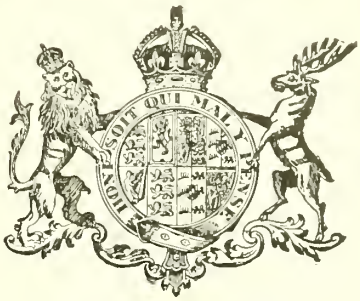
The business in Chemicals since our last has been very large in several articles, and prices have considerably advanced. Extensive sales have been made in Tartaric Acid, the price advanced to 1*s.* 8*d.*, but has closed rather quiet at 1*s.* 7¾*d.* to 1*s.* 8*d.* In Citric Acid also extensive transactions have taken place, and the prices closed firm at 1*s.* 9*d.* Oxalic Acid is also dearer, with a large business; the present prices are 11*d.* to 1*s.* Iodine has also been largely purchased, but prices close not so firm; the latest quotations were 6¾*d.* to 7*d.* Cream of Tartar has been in much better demand, and prices have advanced to 117*s.* 6*d.* to 120*s.* for the best. Grey Tartars are also dearer and more doing. Prussiate of Potass remains dull at 11½*d.* to 11¾*d.* Bichromate is quiet, and rather easier; sales made at 7½*d.* to 7¾*d.* Soda Crystals are without change, and a moderate business done at 97*s.* 6*d.* ex ship. Ash is 2½*d.* to 2⅝*d.*, and Caustic Soda scarce at 15*s.* 6*d.* to 16*s.* A very large business has been done in Pelletier's Quinine at 6*s.* to 6*s.* 1*d.*, the latter price is now demanded. Sulphate of Copper is firm at 32*s.* 6*d.* for the best brands. Sal ammoniac in fair request at 37*s.* to 38*s.* for fine, and 36*s.* for seconds. Bleaching Powder is steady at 14*s.* 6*d.* to 15*s.* 6*d.* Roll Brimstone at 11*s.*, and Flour 12*s.*, which are late prices. Sulphate of Ammonia is steady at 13*s.* 3*d.* to 14*s.* 6*d.* Refined Saltpetre is lower; sales made at 38*s.* to 38*s.* 6*d.* cash, f.o. A good business has been done in Linseed Oil at 39*s.* 39*s.* 6*d.*, now 40*s.* asked. Rape is steady at 41*s.* 6*d.* f. Brown, and 43*s.* 6*d.* to 44*s.* for Foreign Refined. Turpentine is lower; small sales made at 81*s.* to 81*s.* 6*d.* Petroleum is dearer, and large transactions; last prices paid were 2*s.* 3½*d.* to 2*s.* 4*d.*, and Crude 19*l.* 10*s.* Ashes are without change.

PEARS

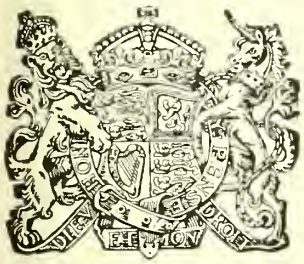
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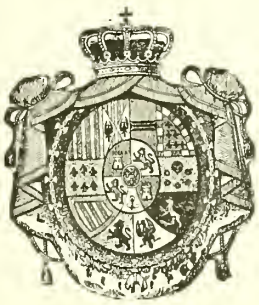
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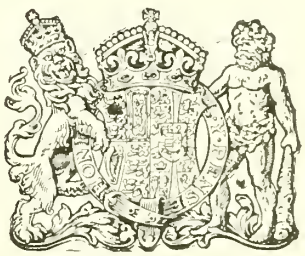
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A COMBINATION OF RED BONE MARROW AND FLUID EXTRACT OF ENGLISH MALT WITH GLYCEROPHOSPHATES. A VALUABLE NUTRITIVE AND DIGESTIVE TONIC.
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"VITANO" is the name of a meat, malt, and port wine, originally put on the market at the suggestion of a well-known physician, who required a guaranteed article of definite quality and composition.
Prepared from choice, selected, matured wine, in combination with extract of meat and extract of malt, "Vitano" indicates a preparation of extreme usefulness in all cases of debility and want of general tone.
Dose: A small wineglassful three times a day.
"Vitano," in reputed pints ... doz. **12/-** "Vitano," in reputed quarts ... **24/-**

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A preparation of specially purified petroleum, which is now widely used as a laxative. This preparation acts purely mechanically as a laxative and soothing lubricating agent. It is absolutely harmless and may be taken freely by all, including delicate children.
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Eau de Cologne Bath Crystals.—**3/6** per doz.; **36/-** per gross.
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Lilac Shampoo Powders.—**7/6** per gross. Put up in boxes of 3 doz. packets.
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"Photopel" was the first Compound Photographic Pellet put on the market, and was originally produced by ourselves, under Patent 8085 in 1889

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A Developing Photographic Pellet.

The object of "Photopel" is to minimise the trouble of preparing developing solutions for photographic use, and to combine in a portable and permanent form the necessary materials for producing negatives or more finished pictures as opals, transparencies, etc. "Photopel" is alike adapted for Negatives, Opals, and Lantern Slides.
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("Photopel Brand").

PYRO-SODA. METOL-QUINOL. GASLIGHT PAPER. HYDROKINONE. Each packet makes 10 oz. of solution.
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These are put up in boxes of one dozen each. Each powder is well wrapped in waxed paper, and will keep without deterioration for any length of time. Name and address on six dozen.

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TWO SOLUTION.—Hydrokinone, Pyro-Metol, Pyro-Soda, Metol-Quinol, **7/-** per doz. net.
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*Acet. Ipecac. B.P., 7 lbs. @ 1/5 lb. [extra.
*,, Scillæ, P.B., 7 lbs. @ 3d. lb.
*Acetone, 6 lbs. @ 1/4 lb.; 1 lb. @ 1/6 lb.
*Acid. Acet. Glacial., 99% Carboys, 160 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 7d. lb.; 6 lbs. @ 8d. lb.
,, Acetylo-Salicyl., 1 cwt. @ 1/10½ lb.; 56 lbs. @ 1/11 lb.; 7 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
,, Benz. P.B., 7 lbs. @ 1/8 lb.; 1 lb. @ 2/- lb.
,, Boric Pulv., 3 cwt. @ 32/- cwt.; 1 cwt. @ 32/6 cwt.; levigd. 3/- cwt. or ½d. lb. extra.
,, Carbol. Xtls., 39/40; 56 lbs. @ 5d. lb.; 10 lb. Tins @ 6/- each; 36 1-lb. Bots. @ 9½d. lb.; Single Bots. @ 1/- lb.; Detached Cryst. 10 lb. Tins @ 8/- each; 1 lb. @ 1/2 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1/4 gall.; 1 gall. tins @ 1/6 each.
,, Citric Cryst., B.P., '85, 1 cwt. @ 2/6 lb.; 7 lb. in Bags @ 2/8 lb.; powder ½d. lb. extra.
,, Diethylbarbituric, 16 oz. @ 16/- lb.; 1 oz. @ 1/4 oz.
,, Gallic pur. P.B., 7 lbs. @ 2/- lb.; 1 lb. @ 2/2 lb.
*,, Hydrobrom., Dil. P.B., 6 lbs. @ 7½d. lb.
*,, Hydrochlor. Coml., cases of 4 2-gal. jars, 18/6 each; 20 case lots @ 17/6 each.
*,, Hydrocyan. P.B., 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.; 36 1-oz. Vials @ 3/6 doz.
,, Oxalic Cryst., 5 cwt. @ 3½d. lb.; 1 cwt. @ 3¾d. lb.; 14 lbs. @ 4d. lb.
*,, Phosph. Dil., B.P. 7 lbs. @ 4½d. lb.
,, Salicyl. pulv. 7 lbs. @ 1/1 lb.; phys. pure, 1 lb. @ 2/11 lb.
,, Sulphur, Coml., cases, 4 2-gal. jars, 18/6 each; 20 cases @ 17/6 each.
*,, Sulph. Aromat. B.P., 5 lbs. @ 3/8 lb.
,, Tannic, B.P., 7 lbs. @ 2/4 lb.
,, Tart., cryst. or pulv. B.P., 1885, 1 cwt. @ 1/1 lb.; 7 lbs. @ 1/2 lb.; parv. ½d. lb. extra.
Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
Adeps Lanæ, B.P., Anhydrous, 2 cwt. @ 57/6 cwt.; Hydrous, @ 54/- cwt.; 1 cwt. @ 2/- cwt., 28 lbs. @ 5/- cwt.; 14 lbs. @ 8/- cwt.; 7 lbs. @ 12/- cwt. extra.
Ærugo Æris Pulv., 14 lbs. @ 11d. lb.
Aloes Barb., English ground, 28 lbs. @ 84/- cwt.; 7 lbs. @ 10d. lb.
Aloes, Socot., 7 lbs. @ 1/5 lb.; powder, 7 lbs. @
Aloin, B.P., 1 lb. @ 4/3 lb. [1/5 lb.
Ammon. Benz., 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
Ammon. Brom., P.B., 1 cwt. @ 2/1½ lb.; 7 lbs. @ 2/3½ lb.
Ammon. Carb., lump, 3 cwt. @ 4d. lb.; 28 lbs. @ 5½d. lb.; 7 lbs. @ 5¾d. lb.; powder, ½d. lb. extra.
Ammon. Chlor., 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.
Amyli Pulv. 10 cwt. @ 11/6 cwt.; 2½ cwt. @ 13/- cwt.; 1 cwt. @ 15/- cwt.
Aniseed, English ground, 1 cwt. @ 44/- cwt.; 7 lbs. @ 5½d. lb.
Antim. Crocus Pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 5d. lb.
Antim. Nig. Pulv., 1 cwt. @ 24/- cwt.; 14 lbs. @ 30/- cwt.
Apiol, 1 lb. @ 24/6 lb.
*Aqua Anethi Conc. 1–40, 1 lb. @ 2/11 lb.
* ,, Anisi Conc. 1–40, 1 lb. @ 3/1 lb.
* ,, Aurant. Conc., 1–40, 1 lb. @ 6/1 lb.
* ,, Aurant. Trip., 53 lbs. for 17/6; 6 lbs. @ 7d. lb.
* ,, Cinnam. Conc. 1–40, 1 lb. @ 3/4 lb.
* ,, Laurocerasi, 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
* ,, Menth. Pip. Conc., 1–40, 1 lb. @ 3/- lb.
* ,, Rosæ Trip., 53 lbs. for 22/6; 6 lbs. @ 7d. lb.
* ,, Rosæ Conc. 1–40, 1 lb. @ 7/- lb.
* ,, Samb. Trip., 53 lbs. for 23/6; 6 lbs. @ 8d. lb.
*Aqua Samb. Conc., 1–40, 1 lb. @ 6/1 lb.
Araroba, fine powder, 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.
Argent. Nit., 6's to oz., 25 oz. @ 1/11½ oz.; 1 oz. @ 2/1 oz.
,, ,, Cryst. 25 oz. @ 1/8 oz.; 8 oz. @ 1/9 oz.
Arsenic, Alb. Pulv., 2 cwt. @ 17/- cwt.; 7 lbs. @ 4d. lb.
Atropinæ Sulph., P.B., 1 oz. @ 22/- oz.
Aurl. Chlor., 6 doz. 15 gr. tubes @ 18/3 doz.; 1 doz. 15 gr. tubes @ 19/6 doz.

Bals. Copaibæ, pure, 44 lbs. @ 2/0½ lb.; 9 lbs. @ 2/3 lb.; 1 lb. @ 2/7 lb.
,, Peruv., P.B., 7 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.
,, Sulphur, 7 lbs. @ 8d. lb. [lb.
,, Tolut. B.P., 50 lbs. @ 2/8 lb.; 1 lb. @ 3/9
Benzo-Naphthol, 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
Bismuth, P.B., Carb., 28 lbs. @ 8/8 lb.; 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit. 1/- lb. less.
Boracic Mixture, 1 cwt. @ 43/6 cwt.
Borax, 1 cwt. @ 19/6; powder 1/- extra.
Butyl Chloral Hydras., P.B., 1 lb. @ 8/10 lb.

Caffeine, P.B., 1 lb. @ 14/- lb.
Caffeinæ Cit., B.P., 1 lb. @ 10/- lb.
Calamina, powder, fine pink, 5 cwt. @ 9/6 cwt.; 1 cwt. @ 10/6 cwt.; 7 lbs. @ 2d. lb.
Calamine, B.P., 1885, 7 lbs. @ 9d. lb.
Calcii Carb. Præcip., 5 cwt. @ 13/- cwt.; 1 cwt. @ 16/- cwt.; 28 lbs. @ 21/- cwt.
,, Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
,, Hypophosph. Pur., P.B., 1 lb. @ 2/3 lb.
,, Iodid., 1 lb. @ 15/6 lb.
Camphor, English Flowers, "not artificial," 5 lbs. @ 2/- lb., ½ oz., or ¼ oz. 7 lbs. @ 2/- lb.; Crude, good white, about 92% as imported, 140 lbs. @ 1/7 lb.; 28 lbs. @ 1/8 lb.
Cantharides, Russian, 7 lbs. @ 9/6 lb.; powder 6d. lb. extra.
Capsicine, soluble, 1 lb. @ 6/6 lb.
Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 14/- cwt.; 28 lbs. @ 2d. lb.
Cardamoms, 28 lbs. @ 5/- lb.; 7 lbs. @ 5/4 lb.
Carmine, Finest, 1 lb. @ 18/- lb.; No. 2, 1 lb. @ 15/- lb.
Cera Alba, B.P., White Moons, 1 cwt. @ 1/8½ lb.; 28 lb. @ 1/9½ lb.; 4 lbs. @ 1/10 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/8½ lb.; 4 lbs. @ 1/9½ lb.; 1 oz., ½ oz. Tabs., 7 lbs. @ 1/9½ lb.
Cerii Oxalas, 7 lbs. @ 1/2 lb.
Cetaceum, No. 1, fine white, 64 lbs. @ 11½d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.
Chloral Hydras Cryst. B.P., 7 lbs. @ 3/1 lb.; 1 lb. @ 3/6 lb.
*Chlorodyne, 5 lbs. @ 2/- lb.
*Chloroform, pure, B.P., 12 8-lbs. @ 1/6 lb.; 8 lbs. @ 1/7½ lb.; 6 1-lb. bots. @ 1/9½ lb.
Chlorophyll, 7 lbs. @ 5/- lb.; 1 lb. @ 5/9 lb.
Cocaine Hydrochlor., B.P., 25 ozs. @ 4/2 oz.; 4 ozs. @ 4/8 oz.; 1 oz. @ 5/6 oz.
Codeina, 1 oz. @ 12/5 oz.; Phosph., 1 oz. @ 9/8 oz.; Hydrochlor. or Sulph., 1 oz. @ 10/9 oz.
Colocynth, Apple, English ground, 1 cwt. @ 10½d. lb.; 28 lbs. @ 11d. lb.; 7 lbs. @ 1/0½ lb.
Composition Powder (Coffin's), 1 cwt. @ 58/- cwt.; 7 lbs. @ 7½d. lb.
Conf. Sennæ, P.B., 14 lbs. @ 8d. lb.; 7 lbs. @ 8½d. lb.
Cort. Aurant. Exot. Shreds, 1 cwt. @ 1/9 lb.; 7 lbs. @ 2/1 lb.
,, Cinchon. Rub. (Quill), 7 lbs. @ 1/- lb.
,, Ulmi Fulvæ, Pulv., 1 cwt. @ 8½d. lb.; 7 lbs. @ 10d. lb.
Cream of Tartar, 98% powder, 1 cwt. @ 99/- cwt.; 7 lbs. @ 11½d. lb.
Creasote, Beechwood, P.B., 22 lbs. @ 1/11 lb.; 7 lbs. @ 2/1 lb.
Creta c. Camph., 7 lbs. @ 8d. lb.
,, Gall. Pulv., in sacks, 10 cwt. @ 6/9 cwt.; 1 cwt. @ 8/3 cwt.; 14 lbs. @ 1½d. lb.
Creta Præparata, 7 lbs. in box, 9d. each.
Cubebæ, English Ground, 28 lbs. @ 1/9½ lb.; 7 lbs. @ 1/11 lb.

*Dec. Aloes Co. Conc. 1–2, 6 lbs. @ 2/9 lb.; Sinecroco, 6 lbs. @ 1/2 lb. [lb.
*,, Cinchonæ (Rubræ) Conc. 1–7, 6 lbs. @ 1/10
*,, Senegæ Conc., 6 lbs. @ 2/6 lb.
Dionine, 15 grains @ 1/8; ¼ oz. @ 9/-

Emp. Spread, 12 yards × 16 ins. adhesive, 3/8; Ballad. B.P.C., Green @ 16/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbi @ 6/-; Resin @ 4/6; Roborans @ 6/-; Saponis, B.P. @ 6/-
Emp. Picis, P.B., 7 lbs. @ 8½d. lb.
,, Plumbi, P.B., 7 lbs. @ 8½d. lb.
,, Resinæ, P.B., 7 lbs. @ 8½d. lb.
,, Roborans, 7 lbs. @ 8½d. lb.
Emulsio Ol. Morrhuæ, 5 lbs. @ 11d. lb.
Eserine Sulph. in 15-grain tubes, 4/6 each.
Ess. Bergam. (Oil), 12 lbs. @ 19/- lb.; 1 lb. @ 20/- lb.; not guaranteed absolutely pure.
Ess. Limonis (oil) original coppers, 12 lbs. @ 8/- lb.; 6 1-lb. bots. @ 9/- lb.; not guaranteed absolutely pure.
*Ess. Moschi (not artificial), 5 lbs. @ 10/3 lb.; 1 lb. @ 11/3 lb.
*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/- lb.; Bergamot, 2/6 lb.
*Ess. Pineapple, 5 lbs. @ 3/4 lb. [lb.
*,, Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6
*,, Vanilla Beans, 5 lb. @ 4/4 lb.; 1 lb. @ 4/7 lb.
*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 4/3 lb.; 1 lb. @ 4/8 lb.; solid, 7 lbs. @ 4/3 lb.
Ext. Cannab. Ind., Alc., B.P., 5 lbs. @ 44/- lb.; 1 lb. @ 45/- lb.
Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.
*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.; Solid, P.B., 4 lbs. @ 19/- lb.; 1 lb. @ 20/- lb.
Ext. Filicis Liq., P.B., 9 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.
Ext. Gent., P.B., solid, 1 cwt. @ 9½d. lb.; 7 lbs. @ 10½d. lb.
*Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/4½ lb.
*Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 4/9 lb.; 1 lb. @ 5/1 lb.
*Ext. Ipecac. Liq., P.B., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.
Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5½d. lb.
*Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.; solid, 5 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
Ext. Opii Solid, P.B., 1 lb. @ 36/- lb.
*Ext. Opii Liq., B.P., 5 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
Ext. Quassiæ, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.
Ext. Sarsæ Co. Solid, 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 2/5 lb.; 7 lbs. @ 2/6 lb.
Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
Ferri et Quininæ Cit. P.B., 500 ozs. @ 5¾d. oz.; 100 ozs. @ 6d. oz.; 25 ozs. @ 6¼d. oz.
Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 3d. lb.
Ferrum Redact., 80%, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/4 lb. [lb.
Flor. Anth. Exot., 1 cwt. @ 60/-; 7 lbs. @ 8d.
Fol. Buchu, oval, good green, 1 cwt. @ 2/4 lb.; 7 lbs. @ 2/6 lb.
Fol. Hyoscyam. Bien., 7 lbs. @ 5/- lb.; pulv., 4/6 lb.
Fol. Sennæ Alex. parv., 28 lbs. @ 6d. lb.

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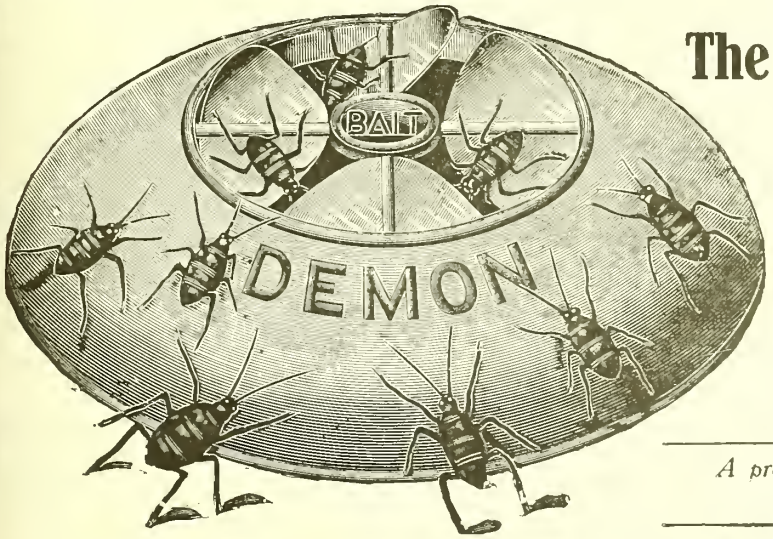
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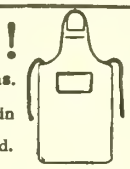
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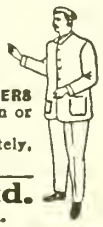
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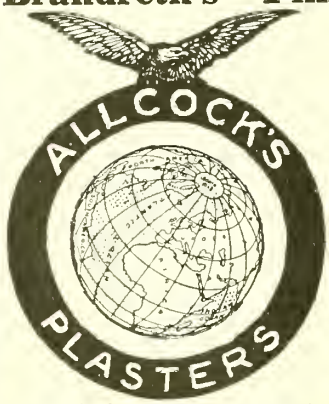
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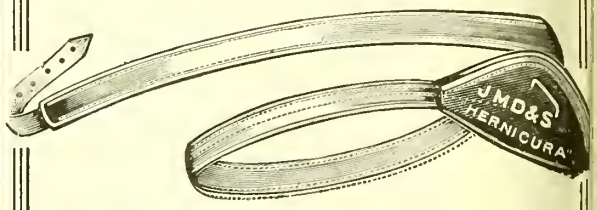
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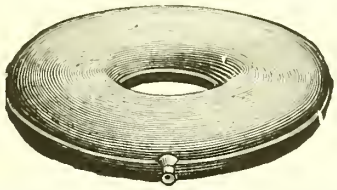
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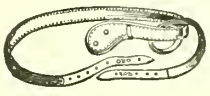
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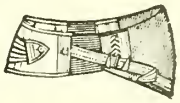
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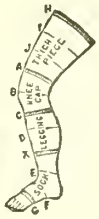
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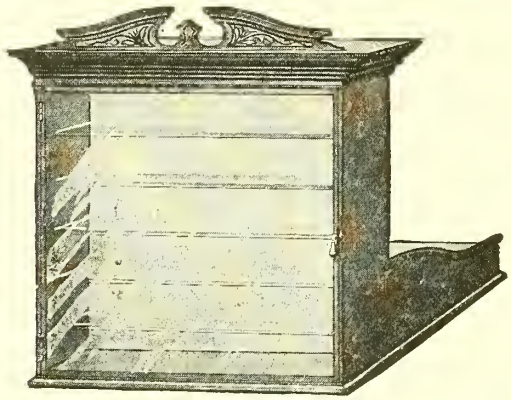
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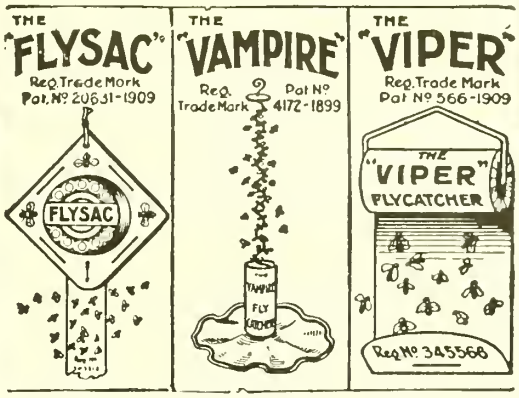
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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, MAY 16, 1914

Telephone Number: Bank 852 (two lines). Telegraphic Address: "Chemicus, Cannon, London" (charged as two words).

A COPY OF THIS SUPPLEMENT IS INSERTED IN EVERY NUMBER ISSUED OF "THE CHEMIST & DRUGGIST."

OVER 12,000

Copies of this Supplement are circulated **EVERY WEEK** to business men connected with the Chemical and Drug Trades. The **GUARANTEED CIRCULATION IS NEVER UNDER TWELVE THOUSAND.** This numerical distinction of the "C. & D." Supplement is one of the grounds of its popularity and power. There are others, chief of them in the esteem of those who advertise in it is that it brings the results wanted, therefore—

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12.—YORKS.—General Retail, including Wines; returns last year over £1,000; *net profit* £343; lock-up Pharmacy; rent £29 per annum; terms, valuation of stock and fixtures.

13.—MANCHESTER (near).—Family, Retail, Dispensing, and Photographic; excellent opening for Dentistry; returns average £20 per week; large shop, double fronted; good stock; rent £30; terms, £70 and valuation, or £300 down and £200 by instalments.

14.—WEST OF ENGLAND (Fashionable Town).—Very old-established Business, Retail and Dispensing, situate in main thoroughfare; returns £610; *profits about half*; very few Patents sold; roomy house, with garden attached; moderate rent; price £400.

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£500 returns.—SOUTH COAST.—Net profit £180; very good position; capable of doing double in able hands; very much neglected; price £300; open to reasonable offer.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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2.—SOUTH COAST.—High-class Dispensing and Light Retail; same hands many years, retiring; returns £1,450; net profit £355 clear; splendid position; scope for increase; price £875.

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4.—GLOUCS.—Very profitable Retail and Dispensing; scarcely any Patents; net profit about £300; good house; well fitted and stocked; same family many years; owner going abroad; price £400.

5.—SUSSEX.—Good-class Light Country Retail; no heavy trade; returns £700; net profit £200; good house and garden; modern attractive shop, fully stocked; price only £340, or valuation.

6.—SURREY (Charming Locality).—For immediate Disposal, Light Country Retail; returns £410; net profit £160; good house and garden; net rent only £15; price £250, simply valuation; worth attention.

7.—LONDON, S.W.—Cash Retail, Prescribing, and N.H.I., in centre of large population; returns about £25 weekly, increasing; net profit 33⅓ per cent.; no near opposition; modern up-to-date Pharmacy, fully stocked; price £600, books properly kept.

8.—LONDON, S.E. (8 miles out).—Sound Retail Business, all ready money; returns over £800, increasing; net profit £230; good house, smart Pharmacy; no near opposition; price £400.

9.—MIDDLESEX (Death Vacancy).—Very profitable Cash Retail Business; practically unopposed; returns last year £1,360; net profit over £400; good house and Pharmacy; well stocked; price £900; personally inspected.

10.—NORFOLK.—Old-established Retail and Agricultural Business, in good market town; same hands many years; neglected returns over £800; net profit about £250; fine premises; can easily do £1,200; valuation only required, no goodwill.

11.—LINCS.—Unopposed General Country Retail; returns under manager £533; net profit £160; good house; low rent; scope for increase; price £200 or valuation.

12.—OXON.—Old-established Light Country Retail Business, in fine position of good market town; returns £800, with scope for increase; double-fronted shop, well stocked; price valuation.

13.—DEVON.—Light Family Retail and Dispensing; charming locality; easily worked; returns £700; net profit £200; attractive Pharmacy, well stocked; good house; price £400 or valuation

14.—BEDFORDSHIRE. — Light Cash Retail no N.H.I. work returns about £750; net profit £200; books audited; good house and shop; low rent; price £335, or valuation.

15.—LONDON SUBURB, N.W.—Good-class Dispensing and Retail Business; very profitable; no side-lines; returns £750; fine position; large house and Pharmacy, fully stocked; price £600, or offer.

16.—LONDON, N.E. — Cash Retail and Prescribing; not on Panel; returns over £800; plenty of scope; net profit £250; busy main road; large shop, fully stocked; price £425, or offer.

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EALING, W.—Rent £36; doing £100 monthly, increasing; shop, office, kitchen, two store rooms, bed-sitting room; good-class residential Retail, Dispensing, and Prescribing; gentleman essential; valuation and goodwill. 68/34, Office of this Paper.

FLINTSHIRE.—Old-established Retail, Dispensing, Prescribing, and Agricultural Business, returning £1,100; net profits about £300; rent £45. For full particulars apply, Southall Bros. & Barclay, Ltd., Chemists' Valuers, Birmingham.

KENT.—Country Business, thriving manufacturing district; nearest Chemist five miles; increasing National Health Insurance; scope for Cash trade, Dispensing, Optics, Dentistry, Photography, and Side-lines; cutting prices unnecessary; opportunity for small capital and energy; shop and dwelling accommodation; rent £24; merely nominal figure for fixtures. W. Frayling, "Market Pharmacy," Cliffe.

LANCASHIRE (Seaside).—Small Business for Sale; satisfactory reasons for disposal; good opening; season about to commence; nicely stocked; price about £120. Apply, 88/12, Office of this Paper.

LONDON, N.W.—High-class Dispensing, Photographic, and Retail Business; splendidly fitted Pharmacy; heavily stocked; good residential locality; no close opposition possible; returns £1,100-£1,200, steadily increasing; rent £80; let off, 23s. week; living accommodation left; National Insurance practically nil; price £700; no agents. Apply, 91/13, Office of this Paper.

LONDON, N.W.—£70 (about); magnificent opening for young qualified man; only open half time; sure living now; under Colonial qualified man; strictest investigation; owner returning home where qualification holds; unequalled chance for N.H.I. Dispensing; railway works, several large, important factories adjacent. "Colonial" (92/15), Office of this Paper.

LONDON (South).—Genuine middle-class Suburban Business; about 10 miles out; practically unopposed; returns last 3 years £1,161, £1,293, £1,460; no booking; net profit about £450; assistant kept; fine corner shop, with house attached; price £900 or valuation, plus about £100 for goodwill. Address, "Progressive" (92/340), Office of this Paper.

NEWPORT, Mon. (population 84,000).—To Chemists.—Death vacancy; old-established and successful Business of the late Mr. Eleazar Davis, Chemist, Commercial Street, Newport, is offered for Sale. Apply to Mr. Frank Lewis, Solicitor, Newport, Mon.

NORTH OF ENGLAND.—Most desirable locality; good-class Family Retail and Agricultural Business; returns approach £3,000, with profits much above the average; fullest investigation offered; cash required about £2,400; valuation terms arranged; principals only dealt with. Address, 92/34, Office of this Paper.

A NICE little Business near Leeds can be acquired on easy terms, and could be very much increased by a qualified man attending Wesleyan Chapel, etc. "G. W." (86/37), Office of this Paper.

FIRST-CLASS Retail, in prominent position of fashionable Southern health resort; the Pharmacy is handsomely equipped and good residence attached; returns average £2,000 and yield net profit of £400, and could easily be increased, as practically no personal attention has been given; price about £1,500 or one year's net profit and stock and fixtures at valuation; applicants must enclose references. "South" (225/26), Office of this Paper.

FOR immediate Disposal, old-established Chemist and Druggist Business in country district near Halifax; N.H.I. Dispensing and Wine Licence; no opposition. Apply, 87/30, Office of this Paper.

FOR immediate Disposal, consequent upon death of proprietor, old-established prosperous Chemist's Business, best trade position, Morriston, Swansea; excellent house accommodation; ease, low rent; valuation only; ample scope for extension to enterprising Chemist. Apply, Bowen & Evans, Auctioneers, Swansea, or Dr. Rice Morgan, Morriston.

FOR Sale, genuine old-established Business, in main street, industrial town, West Riding of Yorkshire; population 24,000; nearest Chemist one mile away; turnover £1,000 per annum, inclusive of National Health Insurance averaging £20 monthly; good profits; easily worked; progressive; well stocked. Wine Licence. For further particulars apply, Box 10, Wakefield.

NEAREST opposition 10 miles; Village Business in Northamptonshire; returns 1913 £600; net profit 33⅓ per cent.; scope for increase; valuation accepted; payment arranged to suit purchaser; must sell soon; no reasonable offer refused. "F. G. H.," 8 High Street, Bilston, Staffs.

OLD-ESTABLISHED Business, in busy market town, easy distance from London, thoroughly well stocked, with Mineral-water Factory in perfect working order; very profitable and capable of great extension by investment of small additional capital; price £250, or near offer, considerably less than valuation of stock, fittings, and machinery. 93/4, Office of this Paper.

SPLENDID opportunity.—An increasing Business in busy Lancashire town, almost unopposed; comfortable house; low rent; established 35 years; counter returns £550, Insurance £400; price for quick sale £450. Apply, 81/34, Office of this Paper.

THROUGH death.—South of England.—High-class Dispensing and modern Retail Business; turnover £2,000; premium position; one of the finest and best-fitted shops in district; opportunity seldom occurring; particulars on bankers' references. Reply, 93/14, Office of this Paper.

TO be Sold immediately at valuation, about £340, good-class Country Business in Sussex, turning over about £700 at good prices; moderate rent; splendid position, and capable of considerable increase; any investigation allowed; genuine opportunity for small capitalist. "Prompt" (89/26), Office of this Paper.

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BUSINESS wanted, London or Suburbs, S.E. district preferred; returns from £800 to £1,500. Please give full particulars to "Pharmacist" (88/4), Office of this Paper.

SOUND Business wanted; medium or respectable working class; Metropolis or environs; opportunity for anyone desiring direct private transaction for realisation, and offering favourable proposition for customer prepared to pay cash down for genuine, good article. Address, with turnover, rent, and purchase consideration, to "Alembic" (93/12), Office of this Paper.

WANTED at once, or in a few weeks' time, a reliable Business, moderately rented and doing a good large turnover; fair price given. Particulars treated in confidence, "Genuine," 13 Ashville Terrace, Cardigan Road, Leeds.

AGENCIES.

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SPAIN.—Pharmacist desires Depot or Sole Agency for foreign Pharmaceutical Specialities, Alimentary Products, Perfumery, etc.; or would undertake manufacture and packing locally. Samples, catalogues, and correspondence in Spanish or French only to Mariano de la Vega, Botica del Carmen, Oviedo.

MERCHANTS, with offices in Spain and Portugal, and Travellers covering all these markets, are open for sole first-class Agency, Chemists and Druggists, or other goods. 213/48, Office of this Paper.

PARTNERSHIPS.

A VACANCY occurs in Patent-medicine Business for fully qualified Chemist as Partner or co-Director; £300-£500 required for extension of business; no premium; principals only treated with; no intermediaries. 89/8, Office of this Paper.

BUSINESS man (28), capable and energetic, with proved selling power, desires to purchase share in Mail Order and Export business in Drugs, Perfumery, and Toilet Articles; travelled extensively all over Europe and in America and the Far East; can correspond in four languages. Write to 87/18, Office of this Paper.

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SHOP to Let; prominent corner, main road; large and improving neighbourhood; imposing plate-glass windows; every accommodation, including excellent room at side; back entrance; exceptional opportunity for establishing Chemist's business; rent £3 per month inclusive. Apply, Wingfield, 35 Park Road, Collier's Wood, Merton, S.W., near premises.

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NATIONAL Cash Register, as new, for Sale. Write, "J. L.," 30 Beechfield Road, Finsbury Park.

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3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RETAIL.

BIRMINGHAM.—Elderly qualified Chemist; comfortable permanency for capable, active man. "Birmingham" (91/47), Office of this Paper.

BIRMINGHAM.—Qualified Assistant; good Counterman essential. Usual particulars and photo to J. H. Piddock, Pharmacist, 747 Stratford Road, Birmingham.

BOLTON.—Unqualified Assistant (outdoors), Junior or otherwise, for General Retail and N.H.I. Dispensing business. Full particulars to 88/8, Office of this Paper.

BRECON.—Junior Assistant, unqualified; indoors; good-class Agricultural business, Dispensing, Photography; Welsh-speaking preferred, but not essential. Apply, giving references, send photo if possible, with full particulars, to Gwillim, Pharmacist, Brecon.

BRISTOL.—Reliable and capable Assistant required; Dispensing and General Retail business; weekly half-holiday; no Sunday duty. Please state age, whether qualified or unqualified, and all particulars, references, etc., in first letter, addressed "Vortex," 98 York Road, Montpelier, Bristol.

BRISTOL ROYAL INFIRMARY.—Junior Assistant, qualified; salary £100 per annum; hours 9-5; Sunday and evening duty (half-hour) in rotation; experience in making Galenicals desirable; ladies not eligible. Apply, with copies of testimonials, to the Pharmacist.

BRIXTON DISPENSARY, Water Lane, S.W.—Wanted, a qualified Dispenser; age not over 30; non-resident; hours (ordinarily) six per day; no Sunday work; salary £75, rising by £5 annually to £105; ladies ineligible. Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the Secretary.

CORNWALL.—Immediately, for season, unqualified Assistant. Send usual particulars and salary required, R. E. Pearce, Chemist, Newquay.

CROWBOROUGH.—Required immediately, thoroughly capable Assistant (qualified or unqualified), not over 30, for good-class Dispensing business. Apply, with full particulars of experience, age, height, salary required (indoors), G. H. F. Dier, Pharmacist, Crowborough.

EASTBOURNE.—Wanted, unqualified Assistant, about 23; Photographic and Light Retail; good salary to competent man. Stovin, Chemist and Optician.

EASTERN COUNTIES.—Wanted, a Junior Assistant for a good class Mixed Country business; an accurate and reliable worker; no Insurance Dispensing; short hours; no Sunday, night or holiday duty; comfortable berth; outdoors. Apply, with usual particulars, experience, when disengaged, and salary required, 90/35, Office of this Paper.

HERNE BAY, Kent.—Smart, competent Assistant; good Counter and Photographic experience. State full particulars Pyman, Chemist, Herne Bay.

ILFRACOMBE.—Junior Assistant, unqualified, age about 2 from middle of June to end of September; knowledge Photography essential. Apply, stating height, age, and sala required (outdoors), to Crang, Chemist.

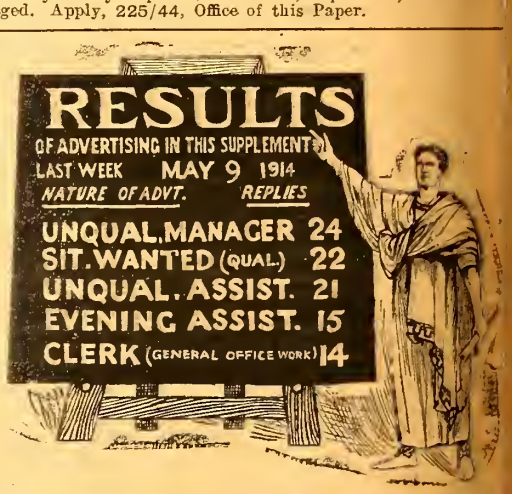
ILFRACOMBE.—Smart, competent Assistant; good Counter an Photographic experience. State age, salary required (ou doors), and enclose photo if convenient, to Reed, Chemist, Ilfr combe.

IPSWICH.—Junior Assistant required at once; rooms provide one just leaving his apprenticeship would suit, but kno ledge of Photography essential. Send usual particulars Harold Chard, 26 Westgate Street.

IPSWICH.—A reliable unqualified Assistant, not over 30, wi knowledge of Photography; outdoors. Give full particula and salary required, W. H. Stones, 21 Tacket Street, Ipswich

KENSINGTON, S.W.—Qualified Junior required for good-cl Retail and Dispensing busine-s. Apply, with usual p ticulars, to Tupholme & Son, 1 Colehorne Terrace, Earls Cou S.W.

LANCASHIRE.—Smart, qualified Chemist wanted for busy dustrial centre; outdoors; accustomed to good-class Ca trade, with Photography and N.H.I. Dispensing; applicants plea state fully salary required, references, experience, and when d engaged. Apply, 225/44, Office of this Paper.



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ANSWER IN TERMS OF THE ADVERTISEMENT A

REMEMBER you are one of possibly hundreds applying for same position. Put your case before the advertiser so that may be able to form a MENTAL PICTURE of your s ablences.

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ANCASHIRE.—Unqualified Assistant with good Photographic and Dispensing experience required for an excellent business. to age, salary required, and when at liberty, 91/44, Office of Paper.

IVERPOOL.—Immediately, reliable and qualified Assistant, capable of taking charge of Branch, working-class neighbourd. State particulars of experience and salary required (outrs), to R. Keir, 86 Everton Road, Liverpool.

ONDON.—Elderly qualified Chemist; congenial berth for the right man; easy hours. State when at liberty, 91/41, Office this Paper.

ONDON.—Qualified Manager for a quick cash business; excellent opportunity for a smart married man desirous of ling down and making a lucrative permanency. State age when at liberty, 91/43, Office of this Paper.

ONDON, E.—Wanted immediately, smart young qualified man for Dispensing and Counter; salary £3 5s. a week. Apply in instance, 22 Castlewood Road, Stamford Hill, N.

ONDON, E.—Part-time Assistant, with good reference, for four evenings per week; must be a good Dispenser. 91/46, Office his Paper.

ONDON, E.—Good Dispenser wanted for evenings, 6.30-9.30, Monday, Tuesday, Friday, and Saturday; to commence Monthe 18th, if possible; qualified or unqualified; or would fix with full-time Assistant who could commence at an early date. 24, Office of this Paper.

ONDON, N.—Assistant wanted for working-class district, principally for N.H.I. Dispensing; good wages to suitable man, must have good references; Minor qualification not necessary. ly, S. Briggs, Chemist, Broadway Pharmacy, Crouch End, N.

ONDON, N.—Qualified Manager; good opportunity for one requiring a permanency. Apply, giving full particulars of height, experience, and salary required (outdoors), to 93/2, of this Paper.

NDON, N.W.—Assistant wanted (outdoors) for good-class business. Please state age, height, experience, and salary ired, photo if convenient, D. T. Davies, Pharmacist, 567 hley Road, Hampstead, London, N.W.

NDON, S.E.—Unqualified, single Assistant required for good-class Dispensing and Family business; time allowed for study quired (convenient for Colleges); board in, but sleep out oom provided, or outdoors if preferred. Apply, with full culars, to Rees, 141 Anerley Road, S.E.

NDON, S.E.—Wanted for first week in June, thoroughly reliable Junior Assistant; outdoors; unqualified. Apply, with particulars of age, height, experience, references, and salary red, to Messrs. Cave, Austin & Co., Ltd., 164 Rushey Green, rd, S.E.

NDON, S.E.—Reliable Assistant, unqualified, wanted very shortly in Light Retail and Dispensing business; outdoors. age, experience, and salary required, photo if possible, to . Neathercoat, 60 Denmark Hill, S.E.

NDON, S.E.—Smart all-round Assistant, qualified or unqualied (qualified preferred), for quick business; Counter, Disg, and Window-dressing; good and progressive salary to enced man; outdoors; one whole day and half-day off htly. Apply, giving full particulars as to experience, required, etc., to Milner, 209 Trafalgar Road, Greenwich.

DON, S.W.—Unqualified Assistant required for modern Cash usiness; Counter and Dispensing experience essential; percy. State age and when at liberty and salary required, , Office of this Paper.

DON, S.W.—A vacancy will shortly occur in Dispensing usiness for a qualified man of good appearance and address ior, with view to taking complete charge. Apply, giving ulars of age and experience, to "Radium" (91/11), Office s Paper.

DON, S.W.—Junior or Improver wanted for good-class Cash usiness; hours 8.30 to 8.30; half-day weekly; no Sunday liday duty. Apply, with full particulars, to H. S. Durbin, ctoria Road, Surbiton.

DON, S.W. — Required, Dispenser: Minor qualification: lary to commence 50s. per week; age about 25; hours of 8.45 a.m. to 6.30 p.m., approximately; no Sunday duty; s annual vacation. Apply, by letter, stating full particuo 313, Sell's Advertising Offices, Fleet Street, E.C.

DON, S.W.—Junior or Improver; outdoors; time for study aily or as arranged; near Schools; hours 8.30 a.m. to , Wednesdays 1 p.m., Saturdays 10.30 p.m. Please give rticulars, "H." (93/11), Office of this Paper.

LONDON, S.W.—Young qualified Manager, married preferred, required in about one month for working-class business, with N.H.I. Dispensing; good modern house (bathroom and separate entrance); salary £156, house free, and commission; liberal terms to the right man. Please state full particulars in confidence, and enclose photo, 93/25, Office of this Paper.

LONDON, S.W.—Messrs. Amoore & Co. require a qualified Assistant, about 24 years. Apply, with full particulars, to A. H. Brooks, 173 Sloane Street, S.W.

LONDON, W.—John F. Harrington, 15 Kensington High Street, requires a Junior Assistant (about 22) by June 6. Apply, stating full particulars of experience, age, height, and salary required (outdoors), also when disengaged, and enclosing photo (to be returned).

LONDON, W.—Qualified Assistant required immediately; good West-End experience essential. Apply, The Manager, Heppell & Co., 26 Piccadilly.

LONDON, W., near Hammersmith.—Reliable Assistant for 2 or 3 hours on two or more evenings per week. Apply, with full particulars, including salary required, to 93/26, Office of this Paper.

MANCHESTER.—Qualified Assistant wanted; outdoors; please state experience, with reference, age, height, and salary required. Apply to "Cascara," c/o Quilliam & Co., Ltd., Canterbury Works, Victoria Bridge, Manchester.

MANCHESTER District.—Young qualified Assistant wanted; salary £3 per week and commission; must be quick and reliable and a good Salesman. State age, height, experience, references, and photo, 88/10, Office of this Paper.

METROPOLITAN BOROUGH OF SOUTHWARK.

APPOINTMENT OF LADY DISPENSER AND SECRETARY.

The Council are prepared to receive applications for appointment as Lady Dispenser and Secretary, at a salary of £100 per annum.

Candidates must be experienced in Dispensing, and should be qualified Shorthand-Typists.

Applications, on forms which may be obtained at my office, accompanied by not more than three recent testimonials, to be sent to me, endorsed "Lady Dispenser and Secretary," not later than noon on Monday, May 25, 1914.

P. H. GRAY,
Town Clerk.

Southwark Town Hall,
Walworth Road, S.E.,
May 14, 1914.

OXFORD.—Wanted, a qualified Assistant, with high-class Retail and Dispensing experience. State full particulars, age, height, and salary required (outdoors), with photo. Apply, Mr. Thomas, Messrs. Cousins, Thomas & Sons, Chemists, 63 Banbury Road, Oxford.

PLYMOUTH.—Unqualified Assistant; outdoors; a good Counter hand and Window-dresser, with knowledge of Photography preferred. Apply, with full particulars, to Plymouth Co-operative Drug Company, 20 Cornwall Street, Plymouth. W. F. Goodwin, Pharmacist.

RAMSGATE.—Wanted shortly, a competent Assistant, for the summer season, accustomed to brisk business, with Photography. State full particulars of previous experience, age, height, salary required, when disengaged, and enclose photo, to D. T. Evans, 30 Harbour Street, Ramsgate.

ROYAL SOUTH HANTS AND SOUTHAMPTON HOSPITAL.—Required, a Dispenser (male); candidates must be registered, hold certificates from a recognised School of Pharmacy of the United Kingdom, and be willing to engage for twelve months; salary £80 per annum, with rooms, board, and washing; applications, stating age, with printed copies of testimonials (limited to five), to be sent to the undersigned at once; duties to be taken up on June 1. T. A. Fisher Hall, Secretary. May 6, 1914.

SHEFFIELD.—Temporary; wanted, Junior Assistant for about 3 months. State full particulars, 91/12, Office of this Paper.

SHERINGHAM.—Assistant wanted; outdoors; good Dispenser; from July 1 for about twelve weeks. Apply, giving usual particulars, to J. B. Gooch, W. H. Burrell & Co., High Street, Sheringham.

SHREWSBURY.—Wanted, Junior Assistant; outdoors; short hours; no Sunday duty; one just finished apprenticeship will suit. Please give full particulars in first letter, age, height, and salary required, to A. Williams, Chemist, Castle Street, Shrewsbury.

WEST COUNTRY.—Assistant (21-24), outdoors, for good-class Dispensing and Retail business in a rising holiday resort; good Dispenser and knowledge of Photography; vacancy about June 10. Please state experience, age, height, and salary required, with photo (to be returned) to 90/30, Office of this Paper.

WESTGATE-ON-SEA.—Assistant (22-24), unqualified, indoors or outdoors, for first-class Dispensing and Retail business; good Dispenser and knowledge of Photography; permanency. Please state experience, age, height, and salary required, to C. H. Dixon, Chemist, Westgate-on-Sea, Kent.

YORKSHIRE.—Married man wanted, to live over shop, for brisk Family, Dispensing, Agricultural business in country town, with knowledge of Photography; qualified preferred, but not essential if smart and competent Assistant. Full particulars, apply, C. Midgley, Market Place, Bedale.

A QUALIFIED Assistant wanted, capable of managing a high-class Retail and Dispensing business; suit a young married man; permanency to a good man; must have first-class references. State age, height, and salary required, 90/14, Office of this Paper.

A QUALIFIED, experienced Assistant wanted; one able to take entire charge; permanency to a good man, married preferred. Apply, with full particulars of age, experience, height, salary required, to 87/34, Office of this Paper.

AN Assistant wanted (outdoors), age about 23; salary £2 5s. per week. Apply, stating when disengaged and full particulars, to D. P. Roberts, 120 North End, Croydon.

ASSISTANT wanted, with experience in Photographic work; quick at Counter; now to about end September. 16 Victoria Street, Douglas, Isle of Man.

ASSISTANT (unqualified) wanted; experienced and energetic; hours 7.30 weekly; close 1 p.m. Saturday. Apply, with full particulars, to Drug Department, Jones Bros. (Holloway), Ltd., Holloway Road, N.

ASSISTANT for three whole days a week, Mondays, Thursdays, and Saturdays, and alternate Sundays, 6 to 9 p.m., for London, N.W. Please state age, references, experience, and salary, "Pharmacist" (90/34), Office of this Paper.

ASSISTANT wanted; unqualified; must bear excellent references; good and willing worker. Apply personally, or by letter, giving full particulars, copy of testimonials, salary required, etc., to M. Matz, Chemist, 5 Bury New Road, Manchester.

ASSISTANT; permanency; outdoors; good Counterman and Dispenser. Apply, stating full particulars and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

ASSISTANT, unqualified, or good Junior required for good-class Suburban Store; short hours; no Sunday duty; live out. Apply, personally if possible, any day between 10 and 1 and 2.30 and 5 (except Saturday afternoon), or by letter, stating age, salary, references, when disengaged, and if possible enclosing photo, which will be returned, Coppen Brothers, Carey Street, Vincent Square, Westminster, S.W.

AT Once.—An unqualified Assistant wanted (outdoors) for high-class Dispensing business; knowledge of Photography; hours 8.30 to 8.30; two evenings off at 6; half-day; alternate Sunday evenings. Apply to Rex Blanchford, 76 High Street, Wimbledon, S.W.

CAPABLE Assistant; outdoors; qualified or unqualified; must have had good experience; no Panel work. Full particulars to R. & J. Herman, Pharmacists, Aintree, Liverpool.

CHEMIST Assistant, qualified, for small business; also an unqualified Assistant. Apply, 220 Edgware Road, W.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, where obtained, ability in Pharmacy and Dentistry, if married what family, class of business and hours used to, salary reqnired, when disengaged, references, photo, Foster, Ivydale, London Road, Portsmouth.

COMPETENT Dispenser-Assistant (Minor qualification) wanted for London business; whole day off weekly; two weeks' annual vacation; salary 55s. per week. Apply by letter, stating age, experience, references, and when disengaged, to "Tabellæ" (91/27), Office of this Paper.

DISPENSER and Bookkeeper (qualified) wanted in June by non-Panel Doctor in a Midland town; to live out. Apply, giving particulars as to age, experience, salary required, etc., to 87/3, Office of this Paper.

DISPENSER (male) required; outdoors; qualification not necessary if thoroughly experienced in Dispensing. Apply, stating salary required, age, and references, to Dr. Phillips, Hednesford, Staffs.

DISPENSER for Wednesday evening for two or three hours. Full particulars and references to M. H. Griffith, Great Bridge, Staffs.

DISPENSER and Bookkeeper (lady) wanted; live in Doctor's house; London. Apply, 89/18, Office of this Paper.

ELDERLY qualified Chemist required for supervision only would suit gentleman between 60 and 70 who has retire from active business. Belsher, Chemist, Bloxwich.

FRANK A. ROGERS, 327 Oxford Street, W., has a vacancy for a qualified Assistant; outdoors. Please give full particulars of experience, salary, etc.

GIBSON DIXON, Chemist, Halifax, wants a Junior for about a month from middle of August to assist in shop during holidays.

IMMEDIATELY, qualified Assistant; outdoors; Dispensing and Photographic business. State age, height, salary, photo, when disengaged, with references, etc., Sangster, 2 College Cresce Hampstead.

IMMEDIATELY, Junior or Assistant, about 22 to 24, accustomed to a Dispensing business; outdoors; one with Homœopathic experience preferred, but not essential. Alban Ath 243 West End Lane, Hampstead, N.W.

IMMEDIATELY.—Assistant, age 21-26, for Light Retail and Dispensing business; time for reading or to attend lectures could be arranged. Full particulars and photo to C. J. Palm 20 King Street, Twickenham.

IMMEDIATELY.—Qualified Manager for Branch (outdoors) and Junior Assistant, good Dispenser, about 20 (indoors). Full particulars to Blakemore, M.P.S., Smethwick.

IMPROVER or Junior required; indoors; time for study and recreation. State salary, Davies Bros., Chemists, Gorseinon

IMPROVER or Junior (outdoors) for quick Cash trade; state experience, and salary required; half-holiday weekly; no Sunday duty. Apply, with references, to J. & J. Thompson & Ltd., Cash Chemists, Oldham.

JUNIOR required for the season in good-class Retail business with knowledge of Photographic work and able to assist in Developing and Printing; please state age, experience, and salary (indoors); good home; photo appreciated. Thorp, Bognor.

JUNIOR Assistant required for end of May; outdoors; eight hours; half-holiday weekly. State full particulars and salary required to Allen & Neale, Chemists, King's Lynn.

JUNIOR Assistant wanted; age 25 to 30; used to quick Retail money trade; outdoors. Apply, Vaughan, Chemist, 2 Strutton Ground, Westminster, S.W.

JUNIOR or Improver for Light Retail and Dispensing business; hours 8.30 to 8; half-holiday weekly; no Sunday duty. Apply, with full particulars, to Bowskill, Chemist, Grimsby Rd., Grimsby.

JUNIOR (outdoors), Assistant, Extractor (unqualified) required for good-class Dispensing and Retail business. Address, state salary, references, etc., and enclose photo (to be returned) to Woodruff, Ph.C., Hazel Grove, Cheshire.

JUNIOR or Improver wanted; outdoors; Light Retail and Dispensing; weekly half-holiday; no Sunday duty. State salary required, with references, J. Patterson, 52 Ilford Lane, Ilford

JUNIOR Assistant; outdoors; Retail, Dispensing, and Photographic; weekly half-holiday; no Bank Holiday duty. Particulars, Stokes, Chemist, Eastville, Bristol.

JUNIOR Assistant, well-trained gentleman, for good-class business (ontdoors); time for study could be arranged. Apply, stating age, height, experience, and salary required, to "Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

JUNIOR or unqualified Assistant required in a good-class and Dispensing business; Photographic knowledge desirable. Full particulars to Snow, Chemist, High Street, Marlow

JUNIOR Assistant; outdoors; accustomed to good-class and Dispensing. Full particulars to Gould, Pharmacist, Teddington, S.W.

JUNIOR Assistant, about 21, for quick Medium-class business; quick and accurate Dispenser and general worker; outdoors. Personal application preferred, failing which please give full particulars in first letter, Gigner & Co., 160 King's Road, Chelsea, S.W.

JUNIOR, full time; Central London, near Bloomsbury Square; medium class; good Dispensing, English and foreign, and Insurance; unique post for a young fellow who is anxious to progress. Call or write, full particulars, send photo if possible, Hamilton (opposite Holborn Hall), 170 Clerkenwell Road,

LADY Assistant, unqualified, with knowledge of Typewriting and Bookkeeping; outdoor berth. Apply, with full particulars stating salary required, to Walter E. Plant, Pharmaceutical Chemist, 28 High Street, Doncaster.

L CM, qualified, also one unqualified, for three weeks in June July; state terms. Address, 97 Melbourne Street, Derby.

L CM wanted for July; qualified; used to Sight-testing; outdoors. Apply, with full particulars, experience, salary, and refe ces, C. Smalley, Chemist and Optician, 12 Carr Street, Ipsw h.

M NAGER (qualified) for modern Store business in busy middle- lass district; assistant kept; hours easy; no Sunday or B.H uty; comfortable position; commission on certain sales and and ofits; good salary. Give age, height, experience, references, stre ary required (in confidence), Martyn's Stores, Ltd., 26 Queen . Wolverhampton.

M NAGER, qualified, middle aged, wanted for small Drug Stores; good salary. Apply, 316 Commercial Road, E.

M SSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and rogressive salary; with excellent prospects.

M SSRS. COOPER, SON & CO., LTD., require a qualified Dispenser immediately. Apply, with full particulars, to Mr. E. Jenkins, 24 Sloane Street, S.W.

M SSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, have a vacancy for an unqualified Assistant; permanency and goo salary.

N H.I.—Well-known firm require smart young man as of s Paper. Script Pricer. Apply, "Pricer" (91/45), Office

P RT-TIME Assistant required for few evenings weekly. Meyrick, 34 James Street, Oxford Street, W.

Q ALIFIED Assistant wanted for June 1 to manage Retail ranch, Dispensing and General. Apply, stating age, salary req ed (indoors), references, etc., to F. Tunbridge, 39 Castle Str , Reading.

Q ALIFIED Assistant for Retail and Dispensing business. State hen at liberty, with all particulars as to age, salary ex- pect , etc., to Mason & Co., Ltd., 80 King Street, South Shi s.

Q ALIFIED wanted; chiefly for National Insurance Dispensing. Apply in first instance, stating age, salary required, etc., to ssrs. J. Waterhouse & Co, Ltd., Wholesale Chemists, Church Str , Ashton-under-Lyne.

Q ALIFIED Locum wanted, to take charge for a fortnight; uly preferred. Apply, Tabor & Cresswell, 138 High Street, Kin land, N.

Q ALIFIED Assistant (indoors) for a good-class Provincial usiness. Give full particulars, age, experience, salary ex- pect , and recent reference, to S. T. Milbank, Pharmaceutical Che st, Bishop Stortford.

Q ALIFIED Assistant for Dispensing, and to assist in General Retail; comfortable berth; easy hours. Apply, with refer- eno to Chamberlain, Drug Stores, Headington, Oxford.

Q ALIFIED Manager required for branch near Cardiff; modern ash business, with Photography; a good opportunity for a relia e, energetic man; outdoors. State full particulars in first lett of age, height, experience, salary required, addresses of last hree employers for references, and enclose carte to W. T. Hic & Co., Duke Street, Cardiff.

Q ALIFIED Assistant for Light Retail and Dispensing business Yorkshire); single preferred; an elderly man not objected to; sho hours; comfortable berth, permanency; in- or out-doors. Sta age, salary, and references, 92/4, Office of this Paper.

Q ALIFIED Manager for Branch in Bristol; also qualified ssistant for relief during holidays; permanent berths for relia e, energetic men; no Sunday duty; outdoors; hours 8.30 to 6 . Fridays to 9, Saturdays to 10; closed Wednesdays at 1. Age eight, salary, and references to Managing Director, Hodders, Ltd 5 Nelson Street, Bristol.

Q ALIFIED Assistant, June 2, with good Counter and Dispens- ng experience and knowledge of Photography; indoors, to live with other assistants over business premises; progressive sala Apply, stating age; height, reference, and photo, to Oliv Chemist, Maidstone.

Q ALIFIED Assistant; General Retail. State salary required, ference, Cook, Chemist, Hindley.

Q ALIFIED Assistant required, of good appearance and ddress; preference given to young and energetic man; hours 8.3 to 7; Saturday 1 o'clock; no Sunday duty. Apply, with full articulars, to Burgous, Ltd., Ackers Street, Manchester.

R ELIABLE unqualified Assistant or Junior; outdoors; half-day holiday weekly from 1; no Sunday duty. Give full particulars as to experience, age, references, and salary required, Carter White & Co., Cash Chemists, Freeman Street, Grimsby.

S. BROWNING MOSS, West Byfleet, Surrey (20 miles from London), requires a gentlemanly Junior Assistant, about 21, for the summer months, or longer; another assistant kept; easy hours; all particulars in first letter.

S MART Junior wanted for good-class London Suburb; good salary. Apply, with particulars, to L. H. Knight, 3 The Exchange, Purley.

S MART unqualified Assistant wanted immediately; good Salesman and references essential; outdoors. Apply, Spink, 27 Tottenham Court Road, W.C., personally or by letter.

U NQUALIFIED Junior; Dispensing experience essential; outdoors. State age, height, salary when disengaged, photo if possible, to H. Reynolds, Pharmacist, West Worthing.

U NQUALIFIED Manager wanted; high-class Drug Stores; seaside town; must be capable taking entire charge; married; smart; good Salesman; good Window-dresser; Photography; character bear strictest investigations; salary 50s. week, share of profits. Apply, stating age, height, when disengaged (applications treated in confidence), "Chemist," 53 Boundary Road, West Hove.

U NQUALIFIED Assistant; Midlands; about 25; Dispensing experience essential. 92/31, Office of this Paper.

W. CHAS. SAYERS, 63 High Street, Lewisham, S.E., requires a Junior Assistant; outdoors; permanency. Please send full particulars with application.

W ANTED for London, S.E., capable Assistant, qualified, young, and energetic; either in- or out-doors; must have excellent references, and able to take charge in proprietor's absence; state salary required. Apply, 87/36, Office of this Paper.

W ANTED, in the early part of June, a reliable, competent Assistant for a good-class business; outdoors. Please state full particulars as to experience, age, height, qualified or unqualified, salary required, etc., to Feather, Chemist, Twickenham.

W ANTED early, qualified man (outdoors), about 24 or 25, for up-to-date Light Retail and Dispensing, with Photographies; Sunday duty, three hours every third week. Apply, with full particulars, C. Breese, 73 Mitcham Lane, Streatham, S.W. 'Phone 446 Streatham.

W INDOW-DRESSER for 2 or 3 days a week. State terms and particulars of experience to Bruce's, Ltd., 28 Broadway, Ealing, W.

W ANTED, Locum, qualified, from June 8 to 29. Tremlett, Chemist, Portsmouth.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A N English house for Lozenges and Pastilles (medicated) requires an experienced Traveller for Scotland, to call upon Chemists, etc.; good terms to one with connection. State full particulars to 225/30, Office of this Paper.

D RUG Traveller wanted for Glasgow and district. 218/55, Office of this Paper.

E NERGETIC Traveller wanted at once for South of England by Druggist Sundries and Manufacturing firm. Apply, 86/7, Office of this Paper.

E XPERIENCED Counter hand, aged about 24, with good knowledge of Drys, required; progressive appointment for energetic and competent man. State record and wages required to 93/28, Office of this Paper.

E XPERIENCED Traveller wanted to represent first-class house in London, West, and South of England for Medicated Lozenges, Pastilles, etc., etc.; liberal terms to good man. Apply, with full details in confidence, to 225/300, Office of this Paper.

INVOICE Clerk, experienced Junior, wanted by old-established Wholesale Druggists, South London. State age, experience, and salary required, to 224/24, Office of this Paper.

INVOICE Clerk, competent man, required; must have sound experience of the Wholesale Drug trade. Apply, giving full particulars, age, salary, etc., "London" (225/7), Office of this Paper.

PERFUMERY and Toilet Soaps.—Representative wanted for Suburban London; must have good connection; might arrange with one already carrying non-competing lines. Full particulars and terms to 90/27, Office of this Paper.

PHARMACEUTICAL Chemist required by a firm of London Manufacturers; must be thoroughly up to date, able to manufacture, and assist in the marketing of genuine Proprietary Medicines and have a sound knowledge of Emulsion-making; this affords a good opening for trustworthy, hard-working man with original ideas. Write, stating age, experience, and terms, to "Alpha," Box 1529, Willing's, 125 Strand, W.C.

SMART young man required for Wholesale Druggist's Sundry Warehouse; experienced preferred, but not essential; must be accurate and reliable. Address, giving wages and full particulars, to 94/3, Office of this Paper.

WANTED by a Sundries house, Working Foreman to take charge of Manufacture of Preparations in bulk for Packed lines; only an experienced man need apply. 220/58, Office of this Paper.

WANTED, young man, about 25 years of age, accustomed to Wet and Dry Counter, and with Laboratory experience. Apply, by letter, stating experience, to 314, Sell's Advertising Offices, Fleet Street, E.C.

WANTED, thoroughly competent man for Tablet-making and Coating. State experience, salary required, and fullest particulars, to 91/26, Office of this Paper.

WANTED by a Midland Manufacturing Company, a smart Representative (for London and Suburbs) for Elastic Hosiery and Chemists' Sundries; must be well known in the trade and of good appearance; replies treated with the strictest confidence. Give fullest particulars, 224/35, Office of this Paper.

YOUTH, used to working in Manufacturing Laboratory. State age, particulars of experience, work done, and wages required, to 91/17, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

BOMBAY.—Qualified Assistant wanted for a first-class private British firm of Chemists; age not over 30; three years' agreement; salary £200 first year, £220 second year, £240 third year; hours 9 a.m. to 6.30 p.m.; passage paid out and home by P. & O. steamship. Apply, with copied testimonials and photo, to "R. L.," S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

BRITISH EAST AFRICA.—Qualified Assistant, with good all-round experience and knowledge of Photography; unmarried and under 30 preferred; three years' agreement; passage paid out; salary £20, £22 10s., and £25 per month for first, second, and third years respectively. Apply, with copies of testimonials, to "Zebra," c/o Tozer, Kemsley & Fisher, Ltd., 84 Fenchurch Street, London, E.C.

DURBAN, Natal.—Qualified Assistant wanted; salary £20, £21, and £22 per month respectively; three years' agreement; passage paid out by Union Castle Line; age about 24. Apply, with photo and references, to "Proprietor," S. Maw, Son & Sons (Export Department), 7 to 12 Aldersgate Street, London, E.C.

FAR EAST.—Qualified Manager, age 25-30; single; four years' agreement; passage paid both ways; terms £160; £12 rise each year; board and lodgings provided; man from suburbs or country preferred. Send full particulars to 87/16, Office of this Paper.

INDIA.—Required shortly, a first-class qualified Assistant, age about 23, for English Chemists doing high-class trade; good salary and prospects for right man; four years' agreement; passage paid both ways. Write, giving full particulars of qualifications and experience, to Indo Burma Co., Ltd., 108 Wool Exchange, E.C.

JAPAN.—Qualified Assistant, about 30 years of age; four y agreement; salary £144 first year, advancing £12 ann to £180, with residential quarters and board, also a comm on net profits; second-class passage paid *via* Siberia, and r passage home if agreement completed. Apply, with copied monials and photo, to "R L.," S. Maw, Son & Sons, Aldersgate Street, London, E.C.

PARIS.—Wanted, competent Assistant, accustomed to a class Dispensing and Counter business; outdoors. R " W. G." (87/26), Office of this Paper

REQUIRED for Paris, an Assistant, with first-class W experience and speaking French; no late or Sunday Apply, 92/37, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have re addressed to this Office, and forwarded on payment o additional charge of **6d.**

[HOME.] RETAIL.

Price-lists, trade circulars, samples, and printed matter ca no case be forwarded, the Box number being intended exclus for specific answers to particular advertisements. The Publi reserves the right to open and refuse to forward any commu tions received which he may consider contrary to this rule.

A PHARMACIST (25), of good address, desires berth prospects of advancement, either Wholesale or Retail, w hours are reasonable; must be London. "Endeavour" (90/ Office of this Paper.

ASSISTANT, 25, height 6 ft., of good appearance and addr desires a berth in London (high class); smart Counter quick and accurate Dispenser, expert at Windows; salary excellent character. Apply, "Modern" (87/32), Office of Paper.

ASSISTANT, 37, outdoors, first-class West-End and C experience, Optical knowledge, and Literary Assistant some years on a leading work on Pharmacy, etc., desires app ment; disengaged 23rd inst. Owen Deed, c/o Palmer, 107 Q Street, Maidenhead.

CHEMIST (Minor), 41, not in good health, but active, permanency in useful capacity, or where qualificatio needed; single; moderate terms. "Ready" (90/38), Office of Paper.

DISENGAGED; permanency or Locum; unregistered; reli industrious; abstainer; 49; references. "Chemicus," Chapel Street, Uxbridge.

DISENGAGED; locum; permanency; 35; sound all-round perience; well recommended. "Insurance," 14 Anstey R Camberwell, S.E.

DISPENSER or Locum; first-class experience. "Dispenser, Great Russell Street, W.C.

DISPENSING by qualified Insurance Dispenser; reliable, em quick, neat; City, West-end experience; Counter, St Books. Gibson, 115 Scott-Ellis Gardens, St. John's Wood.

ELDERLY Pharmacist desires Management, or as out Assistant, in country town or village; excellent referen W. Smith, 39 Shakespeare Avenue, Portswood, Southampton

EVENINGS.—Saturday evenings occasionally, Sunday; q fied. 26 Grasmere Road, Muswell Hill, N.

EXPERIENCED lady Dispenser, used to N.H.I., requires tion near Liverpool. 25 Cecil Road, Seaforth, Liverpool

FRENCH Pharmacy Pupil requires situation in Pharmacy Drug Stores in England. Retière, 2 Rue Prieuré, St. Naza France.

GENTLEMAN, 27, desires post as Dispenser; 10 years' experience; competent Dresser and experienced Motorist; abstainer, best references. 87/38, Office of this Paper.

IMMEDIATELY.—Manager, Assistant, or Locum; abstainer; smart Counterman and Dispenser; accustomed to Prescribing; best references; unqualified. "H. E.," 39 St. Thomas Road, Finsbury Park, N.

INSURANCE Dispensing; Part-time; Minor qualifications. "Chemist," 28 Ashbourne Road, Mitcham, S.W.

JUNIOR; 24; 4½ years' experience; abstainer; disengaged June 8; state hours, salary; good references. 91/4, Office of this Paper.

LADY, qualified, good experience, would like about three hours' daily Dispensing. 85/9, Office of this Paper.

LADY Dispenser (Hall) requires post either with Doctor or Institution; whole or part time. Apply, 87/4, Office of this Paper.

LADY Dispenser; 4½ years' excellent references from last place (London); disengaged. "H.," c/o "The Grange," Alverstone, Brading, I. of W.

LADY Dispenser (Hall) seeks employment by Doctor. Apply, 89/21, Office of this Paper.

LADY Dispenser (Hall qualification); disengaged; S.W. preferred. Barford, 2 Jeffreys Road, Clapham.

LADY Dispenser (Apothecaries' Hall qualification) seeks engagement, London or near, with Doctor or Chemist. "Alpha," 44 Hazeldene Road, Chiswick, W.

LOCUM, qualified; short periods; experienced; expert Optics; reliable; 40; disengaged; abstainer. "Chemist," 17 Morley Street, Derby.

LOCUM, qualified, 45, wishes engagements for June, first two weeks July, last two weeks August; good references. Page, 66 Cotswold Road, Westcliff.

LOCUM; 50; experienced; abstainer; disengaged May 26; forward bookings; moderate fee. "Extractor," 1 Swan Lane, Coventry.

LOCUM; disengaged; finest experience; best references. "Pharmacist," "Skelbrooke," Cleadon, Sunderland.

LOCUM; qualified; 25; disengaged May 17 to June 19, July 7 to August 3; good all-round experience; excellent references. Dorey, Pharmacist, Oxton, Birkenhead.

LOCUM; 30 years' wide experience; qualified; disengaged last week in May. Present address, Smith (Manchester), c/o Archer, Chemist, Epworth, Doncaster.

LOCUM; qualified; 29; good experience; May 25. Ashworth, 20 Kenmare Road, Liverpool.

LOCUM; disengaged; good experience; satisfactory references. "Qualified," Hawthornden, Spring Road, Sholing, Southampton.

LOCUM, qualified; 20 years' first-class private and Store experience. "Aspirin," 29 Avondale Road, Southport, Lancs.

LOCUM; disengaged; terms moderate; experienced; good Salesman. "Aspirin," 395 High Road, Gunnersbury, W.

LOCUM; free May 27 to June 14; London preferred. F. Kent, Chemist, Molesey.

LONDON.—Experienced Assistant requires morning duty; Dispensing or Counter; 1s. per hour. 89/28, Office of this Paper.

LONDON.—Unqualified; 33; Counterman, Dispenser; good references and experience; permanency preferred. "Obliging" (91/7), Office of this Paper.

MANAGER or Dispenser; qualified; good General experience. Tomlett, 7 Barrow Road, Streatham.

MANAGER; accustomed sole control; Pharmacy, Dentistry, Optics, Medical Prescribing experience. "Non-reg:" (91/3), Office of this Paper.

MANAGER (branch); experienced Prescriber, etc.; 35; married; Hall; can be shortly disengaged. "X. Y. Z." (90/40), Office of this Paper.

MANAGING Assistant, Locum; thoroughly experienced; middle aged; smart. "Resinol," 8 Marlow Terrace, East Ham, E.

MINOR Student, N.H.I. qualification, desires Part-time berth. Address, 86/36, Office of this Paper.

MINOR Man would purchase small interest in sound business; varied experience; N.H.I. Dispenser. "Moderate" (90/038), Office of this Paper.

PHARMACIST, married, 30, seeks permanency; Liverpool preferred; experienced; good recent reference; disengaged. 87/21, Office of this Paper.

PHARMACIST (lady) desires engagement. "A. S.," "Ambleside," Carshalton Park Road, Carshalton.

PHARMACIST, 28, married, high-class experience, excellent references, desires Managership, or would act as Locum for a while. Walker, Pharmacy, Northwood, Middlesex.

PHOTOGRAPHIC Dealer's Salesman; knows trade throughout, including Developing, Printing, Enlarging, Postcards. Campbell, 16 Vicarage Road, Leyton, London.

QUALIFIED Manager, experienced, also Dentistry, disengaged. "Reliable," 736 Oldham Road, Failsworth, Manchester.

QUALIFIED; 30; 16 years' experience Counter, Dispensing, N.H.I., etc.; disengaged May 18; London preferred. "Robinson," 177 Amesbury Avenue, Streatham Hill, S.W.

QUALIFIED; disengaged; Manager, Locum; good references; City, W., or W.C.; outdoors. "Salex" (89/10), Office of this Paper.

QUALIFIED; 40, abstainer; has managed; single-handed busy Branch preferred; thoroughly trustworthy; good references. Kindly state salary and duties to 84/28, Office of this Paper.

QUALIFIED; middle aged; temporary, permanent; Dispensing; North preferred. "Star," 3 Melville Avenue, Barnoldswick.

QUALIFIED; permanent; evenings, four or more weekly; disengaged. "Chemist," 229 Mortlake Road, Ilford.

QUALIFIED Assistant seeks employment in English Pharmacy; speaks German and Russian; English experience required; salary no object. "R.," 3 Wood Lane, Shepherd's Bush.

QUALIFIED; 41; Dispensership or Superintendency required. "Rhei," 35 Rochfort Street, Hyde.

QUALIFIED (41); whole or part time; moderate terms; single; any capacity. "London" (90/380), Office of this Paper.

QUALIFIED (41); single; varied experience; moderate terms; brisk business; London or elsewhere. "Permanency" (90/308), Office of this Paper.

QUALIFIED (38); London experience; married; disengaged. 92/14, Office of this Paper.

QUALIFIED; 35; tall; married; Counter, Dispensing, Photography. "Don," 16a Highgate Road, N.W.

QUALIFIED; 30; Scotsman; West-End experience; present berth 4 years. 90/17, Office of this Paper.

QUALIFIED Manager; 41; high-class London experience; good references; disengaged; single. 89/40, Office of this Paper.

QUALIFIED Manager; 31; married; first-class experience; permanency; reliable. 93/8, Office of this Paper.

QUALIFIED elderly Chemist; moderate terms for short hours; South London for choice; or Dispenser to Surgeon; active and energetic; references of the best. 91/39, Office of this Paper.

QUALIFIED Assistant requires evening employment; good all-round experience; Continental Pharmacy; French spoken. Apply, "Senior," 31 Great St. Andrew Street, W.

QUALIFIED; experienced; 33; temporary or otherwise. "W.," 2 Aberdeen Street, Carlton Road, Nottingham.

QUALIFIED Manager, thoroughly experienced; temperate; reliable; highest credentials; good salary required; will accept berth reduced salary view to succession; capital £250. Apply, 93/35, Office of this Paper.

SEASIDE.—Ph.C. (36), reading medicine, desires Light or Part-time engagement; three months or thereabouts. Kindly state terms, "Major," 18 Eccleston Street, S.W.

SEASON or permanency; Manager or Assistant; experienced; tall; 32; unqualified; disengaged first week June; references prove ability. "L. S." (92/40), Office of this Paper.

SHOULD you require a Manager to re-organise and work up a neglected business or commence a new one, M.P.S., 36 (present situation over 8 years), will give conscientious, reliable, and energetic services for mutual benefit; high-class Retail, Dispensing, and Photographic; no Drug Stores. Address in first instance, 87/28, Office of this Paper.

SUCCESSION.—Manager, view succession; qualified; splendid references. "Minor," Park Lodge, Finsbury Park.

UNQUALIFIED, 44, married, good Extractor, Dispenser, and Stockkeeper, desires permanency; good references; London preferred. "Spero" (86/10), Office of this Paper.

UNQUALIFIED, 23, desires situation in or near Newcastle; first-class London and provincial experience. "P. H.," 21 Roxburgh Terrace, Whitley Bay.

UNQUALIFIED; 29 years of age; 15 years' Dispensing, Counter, and Photo experience; 5 ft. 8 in.; salary required 40s. per week; permanency. A. Hopkins, 8 Long Garden Walk, Farnham, Surrey.

UNQUALIFIED Assistant; tall; smart Salesman; excellent West-End reference; accustomed to taking charge; S.W. preferred. "H.," 18 Lawrence Buildings, Millbank Estate, Westminster.

UNQUALIFIED Assistant, 23, tall, 9 years' London and provincial experience, desires engagement in London; capable Dispenser and Counterman; disengaged shortly. Harrison, 17 The Parade, Felixstowe.

UNQUALIFIED; 37; good experience; London preferred; tactful Counterman, good Window-dresser. Fisher, 5 Cranston Road, Forest Hill, S.E.

UNQUALIFIED, age 30, tall, first-class references and experience, good Salesman and Window-dresser, as Manager of Drug Store. "Enterprise," Cottenham, Cambridge.

UNQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A.," 24 College Street, Chelsea.

UNQUALIFIED (21) desires situation for June only; Dispensing, Counter, and Photography; Birmingham district preferred. "H. H.," 509 Finchley Road, N.W.

UNQUALIFIED; 25; good Dispensing and Counter experience; disengaged in three weeks. Reply, 90/13, Office of this Paper.

UNQUALIFIED seeks responsible position; married; middle-aged; Prescriber, Extractor (Painless), fair Mechanic; would like to open up Dentistry. 92/29, Office of this Paper.

UNQUALIFIED; experienced Branch Manager; married, no family; permanency; live on premises preferred; under no notice; reliable; strictly temperate and good worker. 91/9, Office of this Paper.

WOMAN Pharmacist (Minor), capable, experienced, desires post, Retail or Institution. 91/38, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ABSTAINER, 30 years of age, with extensive commercial and organising experience at home and in U.S.A., seeks position of trust, commercial or otherwise; highest references; home office in Yorkshire. Apply, 90/21, Office of this Paper

ADVERTISER desires position; Drys, Sundries, Patents; capable take charge; also good experience Manufacture Effervescing Preparations; excellent references. Smith, 137 Harrowby Street, Liverpool.

ADVERTISER, who is shortly leaving Retail, requires [situation] as Representative or other position in any branch of [the] business; qualified; highest references. Apply, 91/20, [Office of] this Paper.

ANALYTICAL Chemist, research and works experience, [requires] Part-time employment, with or without use of La[boratory] 92/13, Office of this Paper.

ARGENTINA.—Britisher (32), knowing South Amer[ican re]quirements, fully experienced in Pharmaceutical Prop[rietaries] seeks responsible position to develop and visit if [necessary] Argentine market; fluent command Spanish, French; [brought] commercial training. "Development" (86/24), Office [of this] Paper.

CHEMIST open to engagement in Wholesale Drug hous[e Manu]facturing, Analysis, etc.; London experience, also [practical] work, comprising management, buying, travelling, offic[e ware]house. 91/3 Office of this Paper.

COUNTING-HOUSE Manager, Auditor, etc., Accountant (A.A.) 20 years' first-class commercial experience, home and [broad] 7 years Chief Accountant leading firm Manufacturing [chemists] expert organiser (clerical, accounts, factory); accustome[d to con]trol large staff; French; moderate salary with prospect. 93/30 Office of this Paper.

HAVING terminated 8 years' service with a well-kn[own firm] in Manchester, I am open to negotiate Represent[ation of] Lancashire and district; personal Medical connection [Write,] Robertson, 33 Ashbourne Grove, Higher Broughton, Man[chester]

LABORATORY Hand; age 26; good experience, Stills [general] Specialities, Syrups. 92/33, Office of this Paper.

MAN (24) desires engagement in Wholesale Drug hous[e Manu]facturing or Dry or Wet Department; excellent r[efer]ences Goodacre, Crowland, Lincs.

MANAGERESS requires position in London with Sur[gical In]strument house; thorough knowledge of Buying; a[ble to fit] Belts, Trusses, and Hosiery; 12 years' experience. Full [particu]lars to 86/9, Office of this Paper.

POSITION of trust required, inside or out; 24 years' [ground] experience; qualified; good address; excellent cr[edentials] 87/1, Office of this Paper.

REPRESENTATIVE, with established connection am[ong best] Chemists in Great Britain, offers his services to [address,] Perfume, or Toilet house; at present representing first-cl[ass firm,] age 27; willing to enter offices or factory for a time; a [specially] trained Salesman. "D." (88/5), Office of this Paper.

TRAVELLER, experienced, seeks re-engagement, ca[lling on] Chemists, etc., London and suburbs; salary and con[mission] aged 40; 25 years in late firm. "G. T.," 61 Benth[am Road,] Stoke Newington.

TRAVELLER, experienced, commercial training, sma[ll sales-]man, open to Represent good house; Essences, Oils [bottles,] etc.; sound connection. Apply, 70/22, Office of this P[aper.]

YOUNG gentleman, having taken a keen interest in t[he work] ings of a Wholesale house for a few years, desire[s change;] London preferred. 90/29, Office of this Paper.

SITUATIONS WANTED
(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond [repaid.] **The Advertiser may, if preferred, have replies address[ed to this] Office, and forwarded on payment of an additional char[ge of 6d.]**

This heading is reserved for assistants seeking situati[ons in the] British Colonies, India, and Dependencies or elsewhere ab[road.]

QUALIFIED Pharmacist, age 30, seeks berth in Sout[h African] four years previously in the Colony; married; w[orking] agreement; disengaged September. "Springbok" (90/[Office] of this Paper.

UNQUALIFIED Assistant, 23, desires position abroad [3 years'] London and provincial experience; smart Dispe[nser and] Counterman; good all-round knowledge. 85/17, Offic[e of this] Paper.

Pharmaceutical Council Election, 1914.

harmaceutical ouncil Election

To the Electors

the request of the North London Pharma- Association I venture to solicit your votes.

hold that concentration of our forces for essive action is the most vital thing in macy at the present time, and for that purpose section should be represented on the Council. public pharmacist, I commend the claim of tution men to your consideration.

ndon has four representatives on the Council, hey come from one quarter, which means that working pharmacists feel only a remote est in affairs, thereby inducing slackness in time of need. As general secretary of an iation with 300 members, I submit that l and institutional interests are welded in andidature.

e North Londoners recognise that the satisfied is a spent force, and I urge all who feel that r things are possible to vote for strengthening onstructive and progressive side of Pharmacy.

Yours faithfully,

HERBERT SKINNER.



VOTE FOR
BRUMWELL
—the man who works behind his own counter, and will view all legislation from the working Pharmacist's standpoint.

CHAS. W. BRUMWELL

MISCELLANEOUS.

& TUCKNISS, Sharedealers, Bank Chambers, Black- S.E. Established 1898. Telephone 81 Lee Green.
r Sale (free of commission subject).—70 Benger's 40*s.* c.d.; 25 Preference, £6; 100 Brunner, Mond 96*s.* 3*d.* c.d.; 200 Ilford Ordinary, 15*s.* 6*d.*; 100 per cent. Preference, 8*s.* 3*d.*; 200 Veno Drug, bid 0 Mazawattee Ordinary, 2*s.* 3*d.*
ubject).—110 Allenbury "B" Preference, 22*s.*; 1,000 g Ordinary, 3*s.* 6*d.*; 170 Wright, Layman Preference, 1; 200 G. B. Kent & Sons' Preference, 15*s.* 6*d.*
hares for *Sale* and *Wanted* sent free on application. t made to effect business for Buyers and Sellers in nd Shares. Bankers, London County and Westminster.

'S' Second-hand Modern Fittings.—14-ft. Drug Fitting; Glass-fronted Counter; Nest of Counter Drawers; sing Screen and Counter; Perfumery Case and Desk; and Bent Plate-glass Counter Case; 8-ft. Window nd Plate-glass Mirror; the lot £49, bargain; send s; cheapest house for structural alterations, Shop- dow Enclosures, Glass Shelves; Estimates free. H. emists' Shopfitter, Shop-front Builder, and Glass Facia -5 Old Street, E.C.

AND CHEMISTS' FITTINGS.—We have an exception- e selection of these in all sizes; prices are right and n first-class condition; we shall be pleased to supply and prices. Call or write, RUDDUCK & CO., 262 Old

TINGS.—Marble-top, Mahogany and Plate-glass Sponge 9*s.* 6*d.*; 5-ft. Mahogany and Plate-glass Counter Case, Mahogany and Plate-glass Counter, 80*s.*; Perfume Case 40*s.*; hundreds of cash bargains; inquiries solicited. SEPHS & SONS, LTD., 93 Old Street, London, E.C.

GAINS IN SECOND-HAND SHOPFITTINGS.—Set of lass Window Shelves, 5 ft. 9 in., with Tapped Bars and 5*s.*; set ditto, 2 ft. 10 in., 25*s.*; set ditto, 5 ft. 6-ft. Dispensing-screen, £5; 5 ft. 6 in. Dispensing- opens at back, 50*s.*; 12-ft. Range Mahoganised d Labelled, £6; 12-ft. Range Mahogany ditto, Glass 3 10*s.*; 120 Gold-labelled Shop-rounds, £4 12*s.*; Silent 75*s.*; ditto, 6 ft. high, £7 10*s.* R. TOMLINSON & Street, Birmingham.

CHEMISTS' Fittings, Silent Salesman Showcases, Drugfittings, Dispensing-screens, Wall-cases, Perfume-cases, Desks, Glass-front Counters, Counter Drawers, Shop-soiled, Second-hand, at unbeaten prices; before you decide get my estimate, you can't do better; 30 years fitting Pharmacies. George Cook, the Chemists' working Shopfitter. New address: Catherine Street, City Road, E.C. (few doors from Old Street).

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

Radium Foods Patent 18004/1911

The Patentee, Mr. JOHN LANDIN, Analyst and Chemist for the City of Stockholm, is prepared to grant a Licence or Licences for the Manufacture of Radio-active Foods under Patent 18004/1911. For terms write Box 852, Coops, 5 Copthall Court, London, E.C.

THE CHEMISTS' FRIENDLY SOCIETY

Assistants and Apprentices—support your own Society. It is the Drug Trade Approved Society for the United Kingdom. Members advancing the claims of the Society are benefiting themselves, the Society being mutual. Forms of application for admission on request from

THE MANAGER, C. F. S. (C Dept.),
194 St. Vincent Street, GLASGOW.

I am not a pharmacist who has turned ticket-writer, but I have discovered a new method of window advertising which produces marvellous results in good windows. Write for details.
Bromley, Chemist, Whetstone, Middlesex.

FACE THE QUESTION

OF THE SELLING POWER OF YOUR WINDOW—DOES IT PAY?

IF NOT—THEN SECURE AN INCREASE OF TRADE.

Send P.O. 1/10. Name of TWO PREPS. of 15 Words each, and secure TWO of our LATEST DISPLAYED CARDS, size 15×10 and 12×9½, sent CARR. PAID, and prove for yourselves THEIR SELLING POWER.

F. MERTEN & CO., 72 Marlborough Rd., HOLLOWAY, LONDON, N.

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Up-to-date advertising. Ideas for new Specialities. Smart Window Displays. Window Centres. The latter 2/6 each, state wants. Note—This week a Pharmacist renews for his fifth year, showing that he is satisfied with my methods. Practical ideas for Pharmacists are my speciality. Particulars free.

BILLYARD ALLISON, PHARMACIST, RETFORD.

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One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6*d*.

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FOR DISPOSAL.

BOOKS AND PERIODICALS.

"P.J.F.," in good condition, latest edition, 20*s*., or nearest offer. Harris, 18 McGhie Street, Hednesford, Staffs.

PROPRIETARY ARTICLES.

OFFERS.—6 doz. Dr. Hale's vin. sanguis; 5¾ doz. Dr. Hale's coca wine. 89/35, Office of this Paper.

SURPLUS Stock.—13 doz. Guerlain's shaving cream; will take 6*s*. 6*d*. per doz. net; Locock's wafers, 8 doz. 1*s*. size, 4*s*. per doz. net; 9 doz. 2*s*. 9*d*. size, 10*s*. per doz. net. "Cema" (89/11), Office of this Paper.

OPTICAL AND PHOTOGRAPHIC.

OPTICS, giving up; 9 doz. pairs interchangeable lenses; 9 doz. assorted nickel and G.F. frames; lens case, orthos rule, spherometer, Raphael's lens measure, chains, screw-drivers, spare parts, etc.; cost £11 10*s*. Best offer to Ashfield, Pharmacist, Rhyl.

SHOP FITTINGS.

SILENT Salesman; mahogany and plate glass; height 5 ft. 3 in. by 2 ft. square; almost new; genuine bargain; £6 10*s*. "Chemist," 119 South Lambeth Road, London.

MISCELLANEOUS.

TYPEWRITER; No. 5 Blick; perfect condition; bargain, 55*s*. Starmer, Chemist, North Finchley.

AIR bed for disposal; practically new: cost two guineas; what offers? Winter, 15 Day's Lane, Sideup.

16 GROSS 2-oz. lemonade crystal bottles, square, 2*s*. 6*d*. gross or offer, carriage paid London; 2 show carboys, 5 gallon, 10*s*. 6*d*. Lockyer, Chemist, Deptford, S.E.

WANTED.

9-FT. glass-fronted counter. "Chemist," 119 South Lambeth Road, London.

ONE- or two-gallon copper retort or still. Woodward, Pharmacist, Weymouth.

"YEAR Book of Pharmacy" for 1908, in good condition. State price to Tozer, Kemsley & Fisher, Ltd., 84 Fenchurch Street, London, E.C.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

PERKIN and Kipping's "Organic Chemistry"; "B.P.," 1898; Lowson's "Botany"; Muter's "Analysis." Address, Lindley Hawkins, 18 Regent Road, Handsworth, Birmingham.

C. & D. SHOPS ACT NOTICE.—An inspector of shops under one of the County Councils, writing in regard to the notice-card which we publish for exhibition by chemists during closing hours on the half-holiday, says: "The notice seems to be as little objectionable to the shopkeeper as it can be made." We supply a pair of the notices for 8*d*., post free.

"GUIDE TO PRELIMINARY EXAMINATIONS IN PHARMACY," ETC.—Many of our readers will be considering from time to time what to do with their sons, and in this connection may desire to ascertain the degree of difficulty of examinations for pharmacy, medicine, dentistry, etc. This little volume contains full information as to the regulations, together with sample papers and many useful hints on all the subjects given at the Preliminary examinations for these professions, and it is a book necessary to the intending competitor and useful to the parent seeking information.—*The Schoolmistress*.

NEW BOOKS.

Any book published in the United Kingdom can be supplied to our subscribers at the price quoted. Orders, with remittance, should be sent to the Publisher, 42 Cannon Street, London, E.C.

Gardette, V. *Formulaire des Spécialités Pharmaceutiques pour 1914*. 6⅝×4. Pp. 415. 3*f*. (Baillière, 19 Rue Hautefeuille, Paris.) [Gives the active principles of a large number of French pharmaceutical specialities. The indications are general, except as regards the particulars a doctor needs as a guide to the dose. The book is divided into three sections: (1) Alphabetical list of specialities, their composition, and dose; (2) alphabetical list of manufacturers; and (3) list of specialities, and in parentheses the maker's name.]

Invest in the Tropics. 8½×5½. Pp. 112. 1*s*. net. (The Tropical Agriculture Development Agency, Ltd. [As the title implies, this book has been written with the view of inducing people to invest their money in tropical products, principally copra (coconut), sugar, cocoa, coffee, bananas and tapioca, and with this end in view much interesting information is given concerning their cultivation, use, yield, etc. Nutmeg and lime cultivation is also considered. Many illustrations are given, the bulk of them dealing with the coconut-palm and the methods of preparing the numerous ancillary products.]

London Matriculation Directory. No. 66. January 1914. Pp. 64+144. 7×4¾. 1*s*. (W. B. Clive.) [The first four pages are the calendar of the University of London. The second part is the directory proper, and contains a general outline of the London Matriculation examination, with abstracts from the regulations and test questions, with model answers, set at the last Matriculation examination in January. These make the directory invaluable to students preparing for preliminary examinations.]

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, May 20.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 12 noon. Annual meeting of members.

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 P.M. Exhibition of microscopic aquatic life.

Society of Chemist-Opticians, St. Bride Institute, Ludgate Circus, London, E.C., at 6.30 P.M. Annual meeting and election of seven members of Council.

Chemists' Dental Society, Holborn Restaurant, London, W.C., at 3 P.M. Annual meeting and election of Council.

School of Pharmacy Past Students' Association, 17 Bloomsbury Square, London, W.C., at 5 P.M. Annual meeting and election of officers.

South-West London Pharmacists' Association, Stanley's restaurant, Clapham Junction, London, S.W., at 2.45 P.M. Ordinary meeting.

Nottingham Pharmaceutical Association, Victoria Station Hotel, at 8 P.M. Annual meeting.

Manchester and Salford Chemists' Assistants' Association, Clarence Café, Market Street, Manchester, at 8.15 P.M. Annual meeting.

Thursday, May 21.

The Chemical Society, Burlington House, Piccadilly, London, at 8.30 P.M. Among the papers to be communicated are the following: "Ionisation and the Law of Mass Action. III.—Utilisation of the Osmotic Data and a New Law," by Mr. W. R. Bousfield; "The Influence of Neighbouring groups on the Reactivity of Substituents in the Benzene Nucleus," by Mr. J. Kenner; "Some Indazole Derivatives," by Messrs. R. Curtis and J. Kenner.

North London Pharmacists' Association. St. Pancras Hotel, Gloucester Road, Seven Sisters Road, N., at 3.30 P.M. Annual meeting and election of officers.

CHEMICAL SOCIETY.—The Faraday lecture will be delivered in the Royal Institution, Albemarle Street, Piccadilly, London, W., on May 25, at 6 P.M. Admission is by ticket.

FAIRCHILD SCHOLARSHIP AND PRIZES.—Tuesday, June 2, is the date on which applications to sit for the examination for the scholarship and prizes can be received by the Secretary, Mr. A. Holden, Albert Chambers, 64-65 Holborn Viaduct, London, E.C.

LIVERPOOL CHEMISTS' ASSOCIATION.—It is proposed to hold a picnic on June 24, and members are asked to make their choice of four districts, to one of which the excursion will be paid. Clitheroe, Overton Hills, Gresford, and The Leet, near Mold. The cost of the outing will be approximately 5*s*.

Printed for the Proprietors by SPOTTISWOODE & CO. LTD. New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*May* 16, 1914.



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